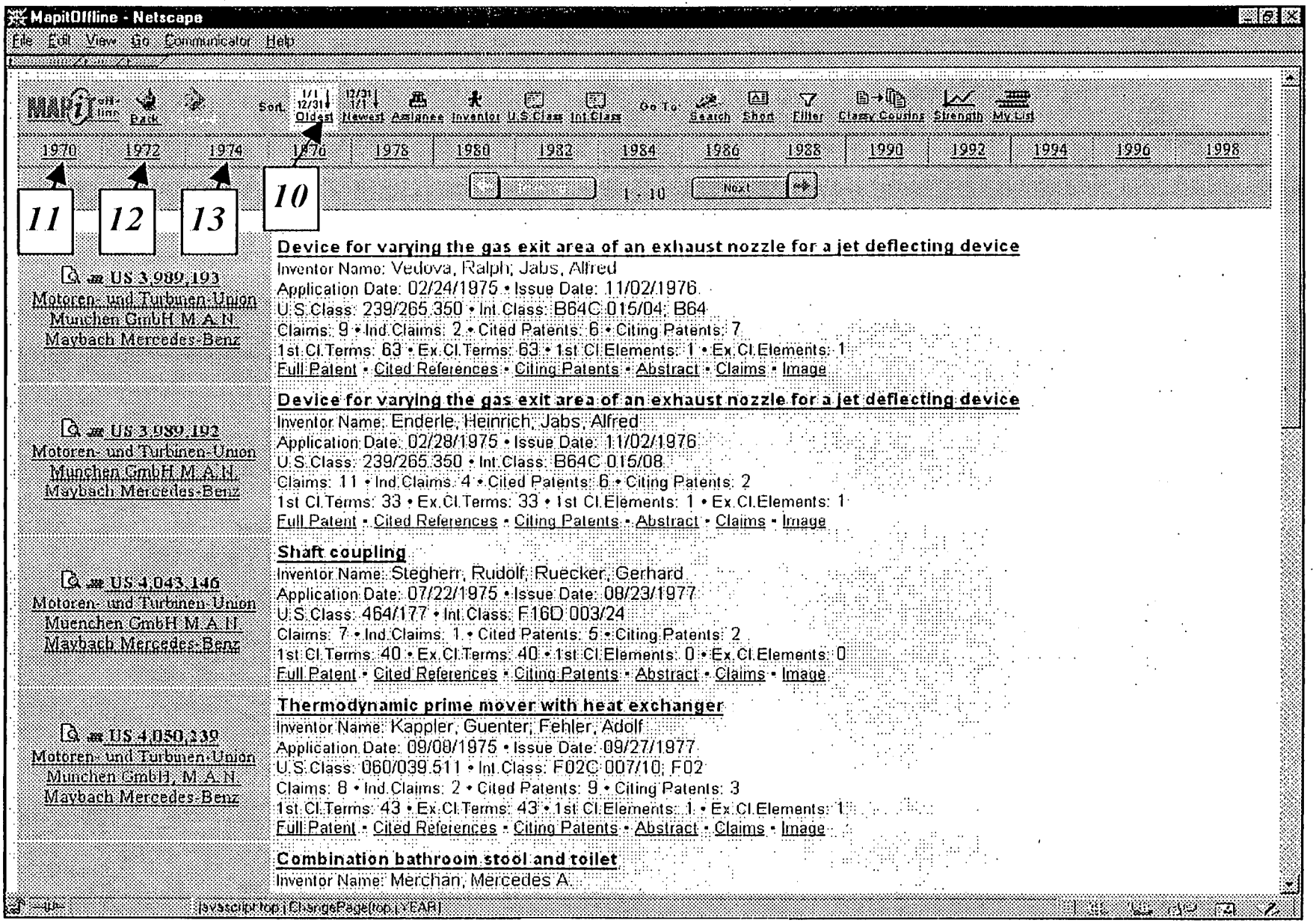
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1970 1972 1974 1976 1978 1980 1982 1984 1986 1988 1990 1992 1994 1996 1998
1 - 10 Next
11
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13
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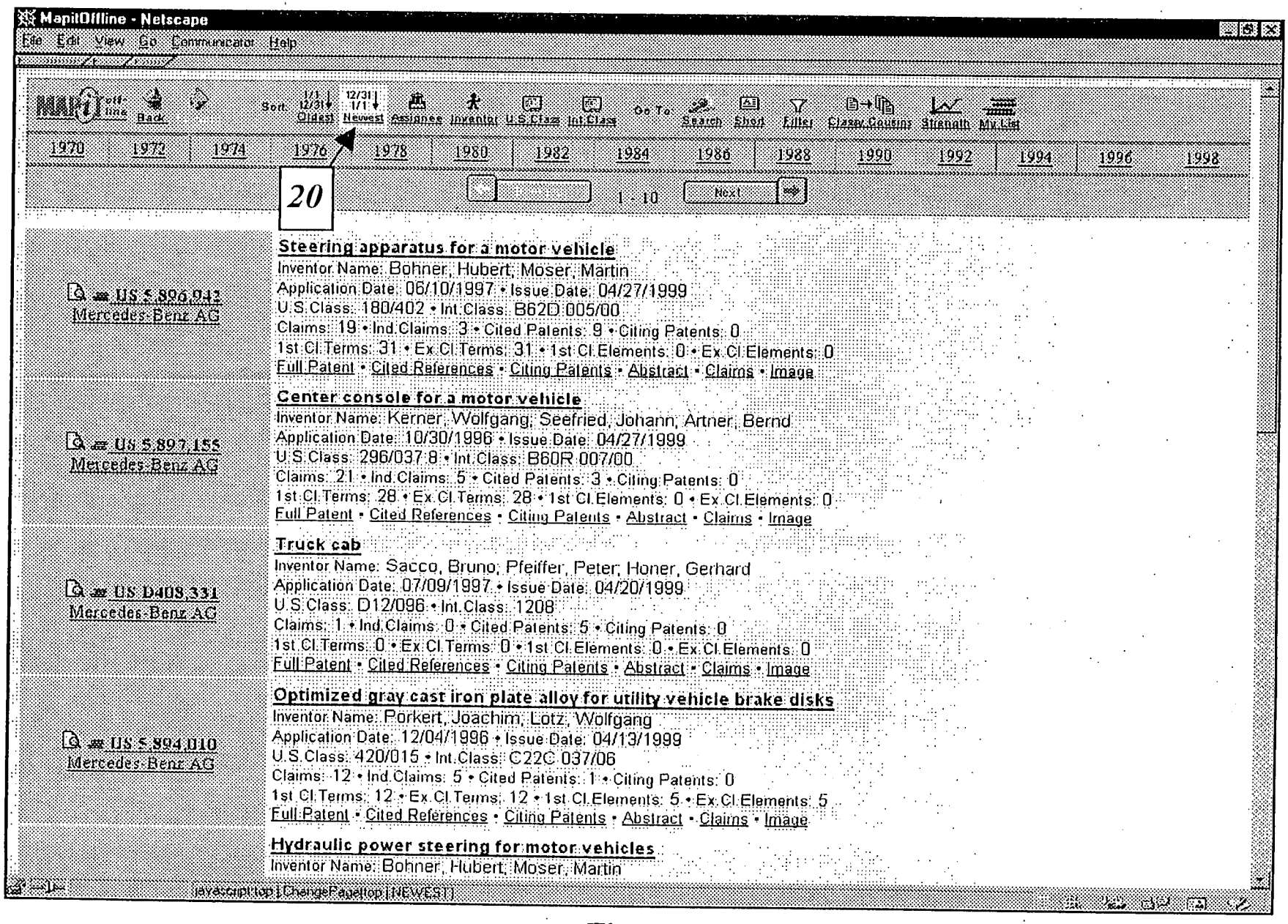
US 3,989,193
Motoren- und Turbinen-Union Munchen GmbH M.A.N. Maybach Mercedes-Benz
Device for varying the gas exit area of an exhaust nozzle for a jet deflecting device
Inventor Name: Vedova, Ralph; Jabs, Alfred
Application Date: 02/24/1975 • Issue Date: 11/02/1976
U.S.Class: 239/265.350 • Int.Class: B64C 015/04; B64
Claims: 9 • Ind.Claims: 2 • Cited Patents: 6 • Citing Patents: 7
1st Cl.Terms: 63 • Ex.Cl.Terms: 63 • 1st Cl.Elements: 1 • Ex.Cl.Elements: 1
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image
US 3,989,192
Motoren- und Turbinen-Union Munchen GmbH M.A.N. Maybach Mercedes-Benz
Device for varying the gas exit area of an exhaust nozzle for a jet deflecting device
Inventor Name: Enderle, Heinrich; Jabs, Alfred
Application Date: 02/28/1975 • Issue Date: 11/02/1976
U.S.Class: 239/265.350 • Int.Class: B64C 015/08
Claims: 11 • Ind.Claims: 4 • Cited Patents: 6 • Citing Patents: 2
1st Cl.Terms: 33 • Ex.Cl.Terms: 33 • 1st Cl.Elements: 1 • Ex.Cl.Elements: 1
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image
US 4,043,146
Motoren- und Turbinen-Union Muenchen GmbH M.A.N. Maybach Mercedes-Benz
Shaft coupling
Inventor Name: Stegherr, Rudolf; Ruecker, Gerhard
Application Date: 07/22/1975 • Issue Date: 08/23/1977
U.S.Class: 464/177 • Int.Class: F16D 003/24
Claims: 7 • Ind.Claims: 1 • Cited Patents: 5 • Citing Patents: 2
1st Cl.Terms: 40 • Ex.Cl.Terms: 40 • 1st Cl.Elements: 0 • Ex.Cl.Elements: 0
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image
US 4,050,239
Motoren- und Turbinen-Union Munchen GmbH, M.A.N. Maybach Mercedes-Benz
Thermodynamic prime mover with heat exchanger
Inventor Name: Kappler, Guenter; Fehler, Adolf
Application Date: 09/08/1975 • Issue Date: 09/27/1977
U.S.Class: 060/039.511 • Int.Class: F02C 007/10; F02
Claims: 8 • Ind.Claims: 2 • Cited Patents: 9 • Citing Patents: 3
1st Cl.Terms: 43 • Ex.Cl.Terms: 43 • 1st Cl.Elements: 1 • Ex.Cl.Elements: 1
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image
Combination bathroom stool and toilet
Inventor Name: Merchan, Mercedes A.

Figure 1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Inventor
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1970 1972 1974 1976 1978 1980 1982 1984 1986 1988 1990 1992 1994 1996 1998
20
1 - 10
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US 5,896,942
Mercedes-Benz AG
Steering apparatus for a motor vehicle
Inventor Name: Bohner, Hubert; Moser, Martin
Application Date: 06/10/1997 • Issue Date: 04/27/1999
U.S.Class: 180/402 • Int.Class: B62D 005/00
Claims: 19 • Ind.Claims: 3 • Cited Patents: 9 • Citing Patents: 0
1st Cl.Terms: 31 • Ex.Cl.Terms: 31 • 1st Cl.Elements: 0 • Ex.Cl.Elements: 0
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image
US 5,897,155
Mercedes-Benz AG
Center console for a motor vehicle
Inventor Name: Kerner, Wolfgang; Seefried, Johann; Artner, Bernd
Application Date: 10/30/1996 • Issue Date: 04/27/1999
U.S.Class: 296/037.8 • Int.Class: B60R 007/00
Claims: 21 • Ind.Claims: 5 • Cited Patents: 3 • Citing Patents: 0
1st Cl.Terms: 28 • Ex.Cl.Terms: 28 • 1st Cl.Elements: 0 • Ex.Cl.Elements: 0
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image
US D408,331
Mercedes-Benz AG
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Inventor Name: Sacco, Bruno; Pfeiffer, Peter; Honer, Gerhard
Application Date: 07/09/1997 • Issue Date: 04/20/1999
U.S.Class: D12/096 • Int.Class: 1208
Claims: 1 • Ind.Claims: 0 • Cited Patents: 5 • Citing Patents: 0
1st Cl.Terms: 0 • Ex.Cl.Terms: 0 • 1st Cl.Elements: 0 • Ex.Cl.Elements: 0
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image
US 5,894,010
Mercedes-Benz AG
Optimized gray cast iron plate alloy for utility vehicle brake disks
Inventor Name: Porkert, Joachim; Lotz, Wolfgang
Application Date: 12/04/1996 • Issue Date: 04/13/1999
U.S.Class: 420/015 • Int.Class: C22C 037/06
Claims: 12 • Ind.Claims: 5 • Cited Patents: 1 • Citing Patents: 0
1st Cl.Terms: 12 • Ex.Cl.Terms: 12 • 1st Cl.Elements: 5 • Ex.Cl.Elements: 5
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image
Hydraulic power steering for motor vehicles
Inventor Name: Bohner, Hubert; Moser, Martin
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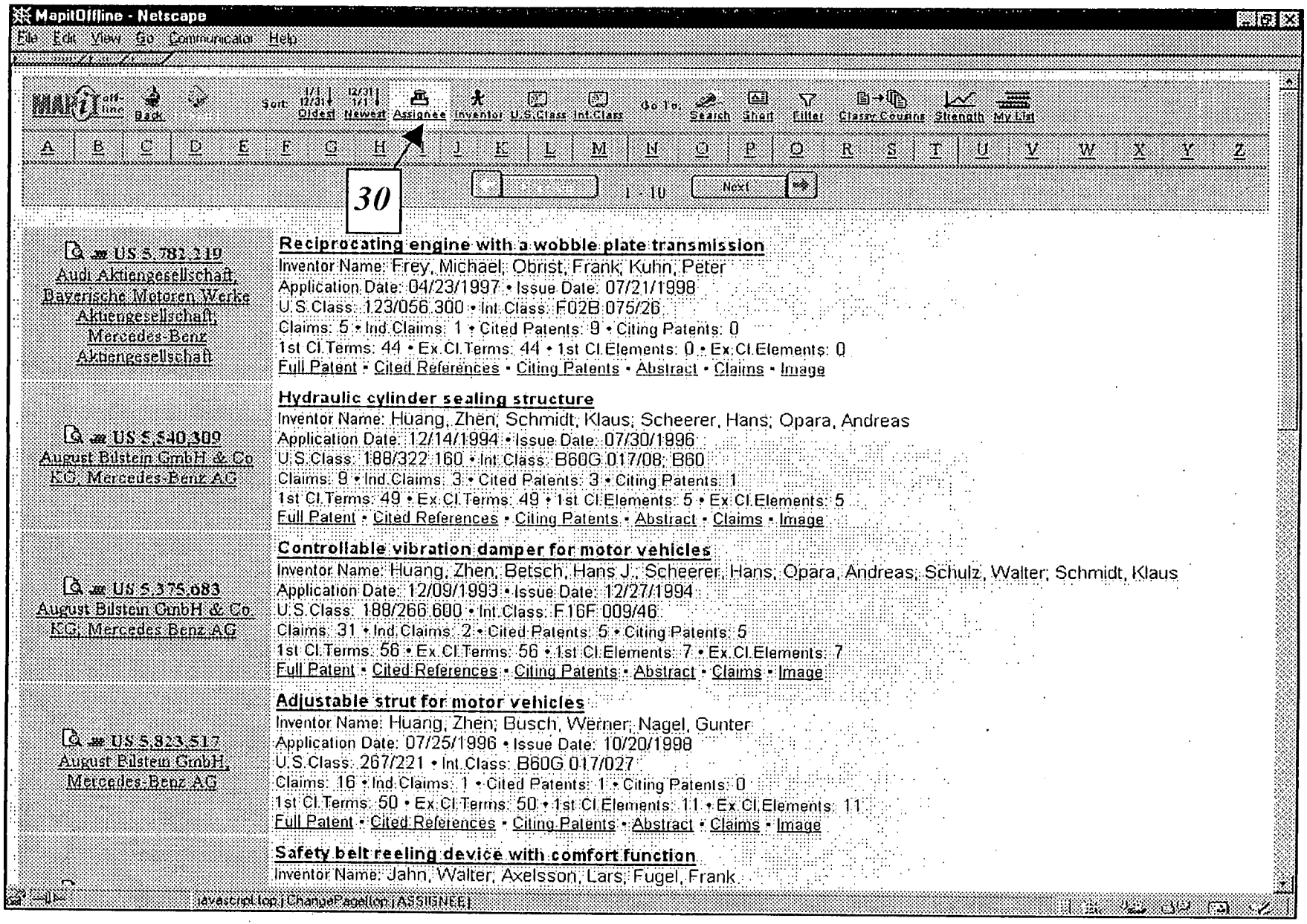
Figure 2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US 5,783,219
Audi Aktiengesellschaft; Bayerische Motoren Werke Aktiengesellschaft; Mercedes-Benz Aktiengesellschaft
Reciprocating engine with a wobble plate transmission
Inventor Name: Frey, Michael; Obrist, Frank; Kuhn, Peter
Application Date: 04/23/1997 • Issue Date: 07/21/1998
U.S.Class: 123/056.300 • Int.Class: F02B 075/26
Claims: 5 • Ind.Claims: 1 • Cited Patents: 9 • Citing Patents: 0
1st Cl.Terms: 44 • Ex.Cl.Terms: 44 • 1st Cl.Elements: 0 • Ex.Cl.Elements: 0
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image
US 5,540,309
August Bilstein GmbH & Co KG; Mercedes-Benz AG
Hydraulic cylinder sealing structure
Inventor Name: Huang, Zhen; Schmidt, Klaus; Scheerer, Hans; Opara, Andreas
Application Date: 12/14/1994 • Issue Date: 07/30/1996
U.S.Class: 188/322.160 • Int.Class: B60G 017/08; B60
Claims: 9 • Ind.Claims: 3 • Cited Patents: 3 • Citing Patents: 1
1st Cl.Terms: 49 • Ex.Cl.Terms: 49 • 1st Cl.Elements: 5 • Ex.Cl.Elements: 5
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image
US 5,375,083
August Bilstein GmbH & Co. KG; Mercedes-Benz AG
Controllable vibration damper for motor vehicles
Inventor Name: Huang, Zhen; Betsch, Hans J.; Scheerer, Hans; Opara, Andreas; Schulz, Walter; Schmidt, Klaus
Application Date: 12/09/1993 • Issue Date: 12/27/1994
U.S.Class: 188/266.600 • Int.Class: F16F 009/46
Claims: 31 • Ind.Claims: 2 • Cited Patents: 5 • Citing Patents: 5
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Full Patent • Cited References • Citing Patents • Abstract • Claims • Image
US 5,823,517
August Bilstein GmbH; Mercedes-Benz AG
Adjustable strut for motor vehicles
Inventor Name: Huang, Zhen; Busch, Werner; Nagel, Gunter
Application Date: 07/25/1996 • Issue Date: 10/20/1998
U.S.Class: 267/221 • Int.Class: B60G 017/027
Claims: 16 • Ind.Claims: 1 • Cited Patents: 1 • Citing Patents: 0
1st Cl.Terms: 50 • Ex.Cl.Terms: 50 • 1st Cl.Elements: 11 • Ex.Cl.Elements: 11
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image
Safety belt reeling device with comfort function
Inventor Name: Jahn, Walter; Axelsson, Lars; Fugel, Frank
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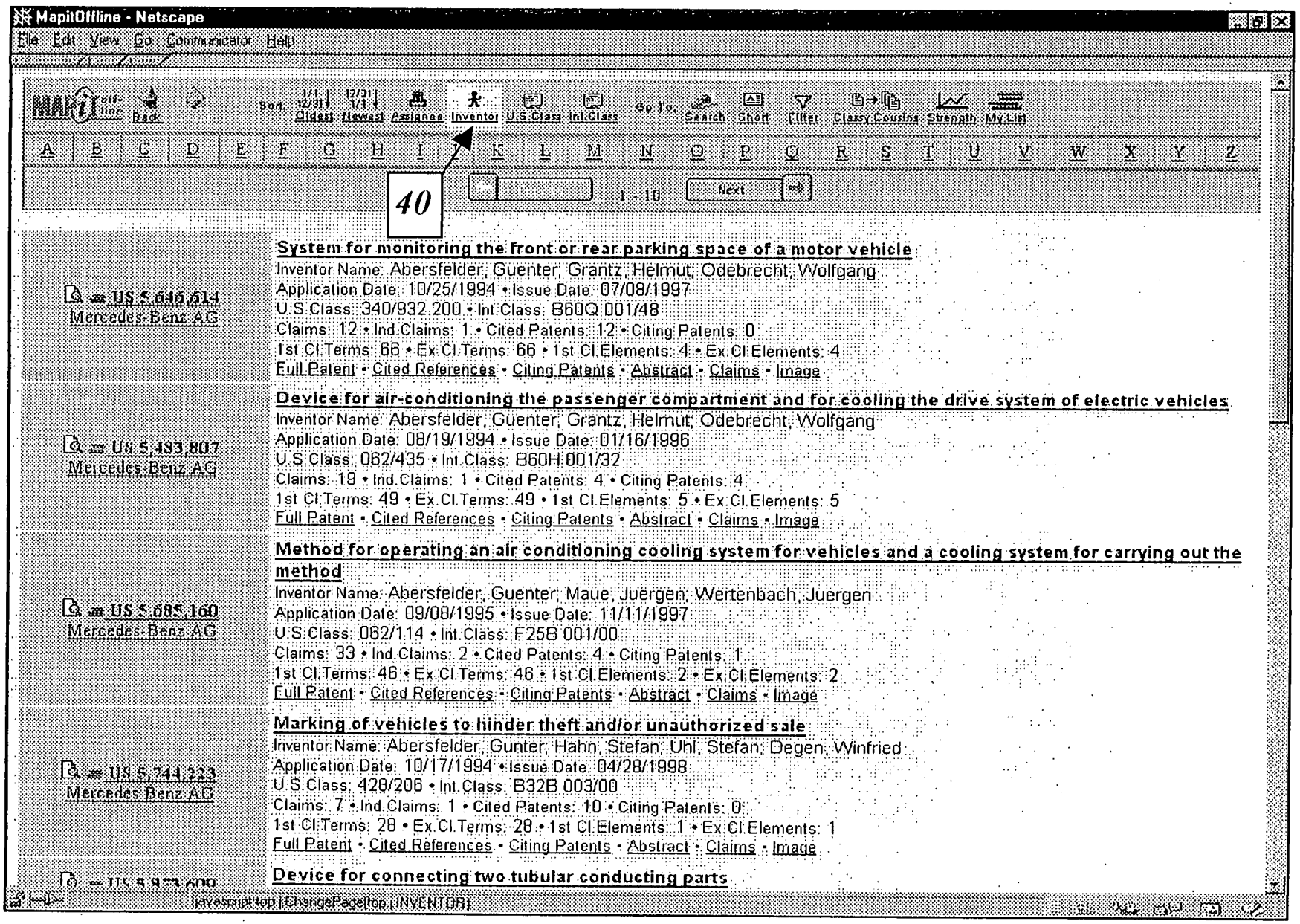
Figure 3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US 5,646,614
Mercedes-Benz AG
System for monitoring the front or rear parking space of a motor vehicle
Inventor Name: Abersfelder, Guenter; Grantz, Helmut; Odebrecht, Wolfgang
Application Date: 10/25/1994 • Issue Date: 07/08/1997
U.S.Class: 340/932.200 • Int.Class: B60Q 001/48
Claims: 12 • Ind.Claims: 1 • Cited Patents: 12 • Citing Patents: 0
1st Cl.Terms: 66 • Ex.Cl.Terms: 66 • 1st Cl.Elements: 4 • Ex.Cl.Elements: 4
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image
US 5,493,807
Mercedes-Benz AG
Device for air-conditioning the passenger compartment and for cooling the drive system of electric vehicles
Inventor Name: Abersfelder, Guenter; Grantz, Helmut; Odebrecht, Wolfgang
Application Date: 08/19/1994 • Issue Date: 01/16/1996
U.S.Class: 062/435 • Int.Class: B60H 001/32
Claims: 19 • Ind.Claims: 1 • Cited Patents: 4 • Citing Patents: 4
1st Cl.Terms: 49 • Ex.Cl.Terms: 49 • 1st Cl.Elements: 5 • Ex.Cl.Elements: 5
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image
US 5,685,160
Mercedes-Benz AG
Method for operating an air conditioning cooling system for vehicles and a cooling system for carrying out the method
Inventor Name: Abersfelder, Guenter; Maue, Juergen; Wertenbach, Juergen
Application Date: 09/08/1995 • Issue Date: 11/11/1997
U.S.Class: 062/114 • Int.Class: F25B 001/00
Claims: 33 • Ind.Claims: 2 • Cited Patents: 4 • Citing Patents: 1
1st Cl.Terms: 46 • Ex.Cl.Terms: 46 • 1st Cl.Elements: 2 • Ex.Cl.Elements: 2
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image
US 5,744,223
Mercedes-Benz AG
Marking of vehicles to hinder theft and/or unauthorized sale
Inventor Name: Abersfelder, Gunter; Hahn, Stefan; Uhl, Stefan; Degen, Winfried
Application Date: 10/17/1994 • Issue Date: 04/28/1998
U.S.Class: 428/206 • Int.Class: B32B 003/00
Claims: 7 • Ind.Claims: 1 • Cited Patents: 10 • Citing Patents: 0
1st Cl.Terms: 28 • Ex.Cl.Terms: 28 • 1st Cl.Elements: 1 • Ex.Cl.Elements: 1
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image
US 5,873,600
Device for connecting two tubular conducting parts
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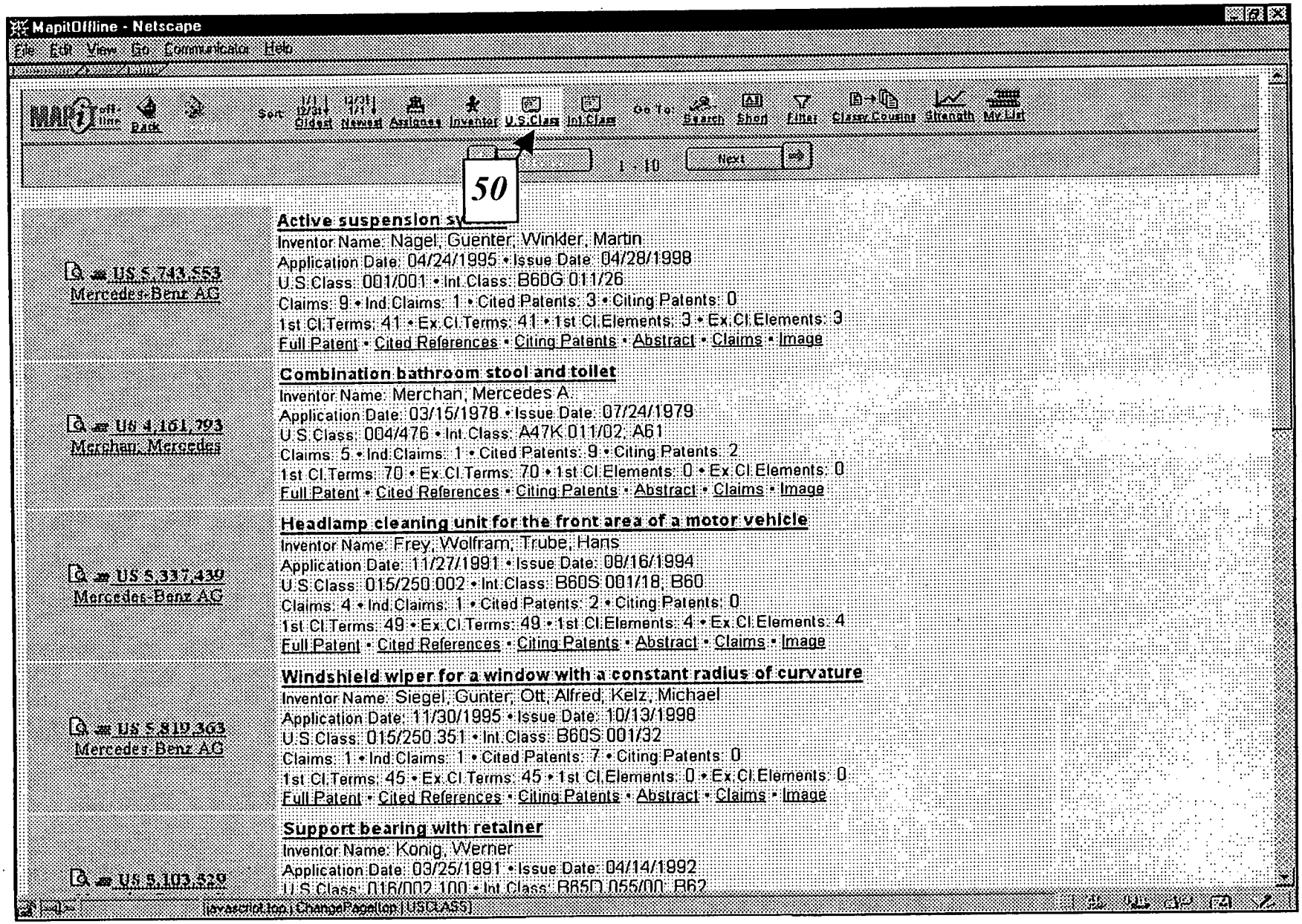
Figure 4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Int.Class
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Active suspension sy
Inventor Name: Nagel, Guenter; Winkler, Martin
Application Date: 04/24/1995 • Issue Date: 04/28/1998
U.S.Class: 001/001 • Int.Class: B60G 011/26
Claims: 9 • Ind.Claims: 1 • Cited Patents: 3 • Citing Patents: 0
1st Cl.Terms: 41 • Ex.Cl.Terms: 41 • 1st Cl.Elements: 3 • Ex.Cl.Elements: 3
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image
US 5,743,553
Mercedes-Benz AG
Combination bathroom stool and toilet
Inventor Name: Merchan, Mercedes A.
Application Date: 03/15/1978 • Issue Date: 07/24/1979
U.S.Class: 004/476 • Int.Class: A47K 011/02; A61
Claims: 5 • Ind.Claims: 1 • Cited Patents: 9 • Citing Patents: 2
1st Cl.Terms: 70 • Ex.Cl.Terms: 70 • 1st Cl.Elements: 0 • Ex.Cl.Elements: 0
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image
US 4,161,793
Merchan, Mercedes
Headlamp cleaning unit for the front area of a motor vehicle
Inventor Name: Frey, Wolfram; Trube, Hans
Application Date: 11/27/1991 • Issue Date: 08/16/1994
U.S.Class: 015/250.002 • Int.Class: B60S 001/18; B60
Claims: 4 • Ind.Claims: 1 • Cited Patents: 2 • Citing Patents: 0
1st Cl.Terms: 49 • Ex.Cl.Terms: 49 • 1st Cl.Elements: 4 • Ex.Cl.Elements: 4
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image
US 5,337,439
Mercedes-Benz AG
Windshield wiper for a window with a constant radius of curvature
Inventor Name: Siegel, Gunter; Ott, Alfred; Kelz, Michael
Application Date: 11/30/1995 • Issue Date: 10/13/1998
U.S.Class: 015/250.351 • Int.Class: B60S 001/32
Claims: 1 • Ind.Claims: 1 • Cited Patents: 7 • Citing Patents: 0
1st Cl.Terms: 45 • Ex.Cl.Terms: 45 • 1st Cl.Elements: 0 • Ex.Cl.Elements: 0
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image
US 5,819,363
Mercedes-Benz AG
Support bearing with retainer
Inventor Name: Konig, Werner
Application Date: 03/25/1991 • Issue Date: 04/14/1992
U.S.Class: 016/002.100 • Int.Class: B65D 055/00; B62
US 5,103,529
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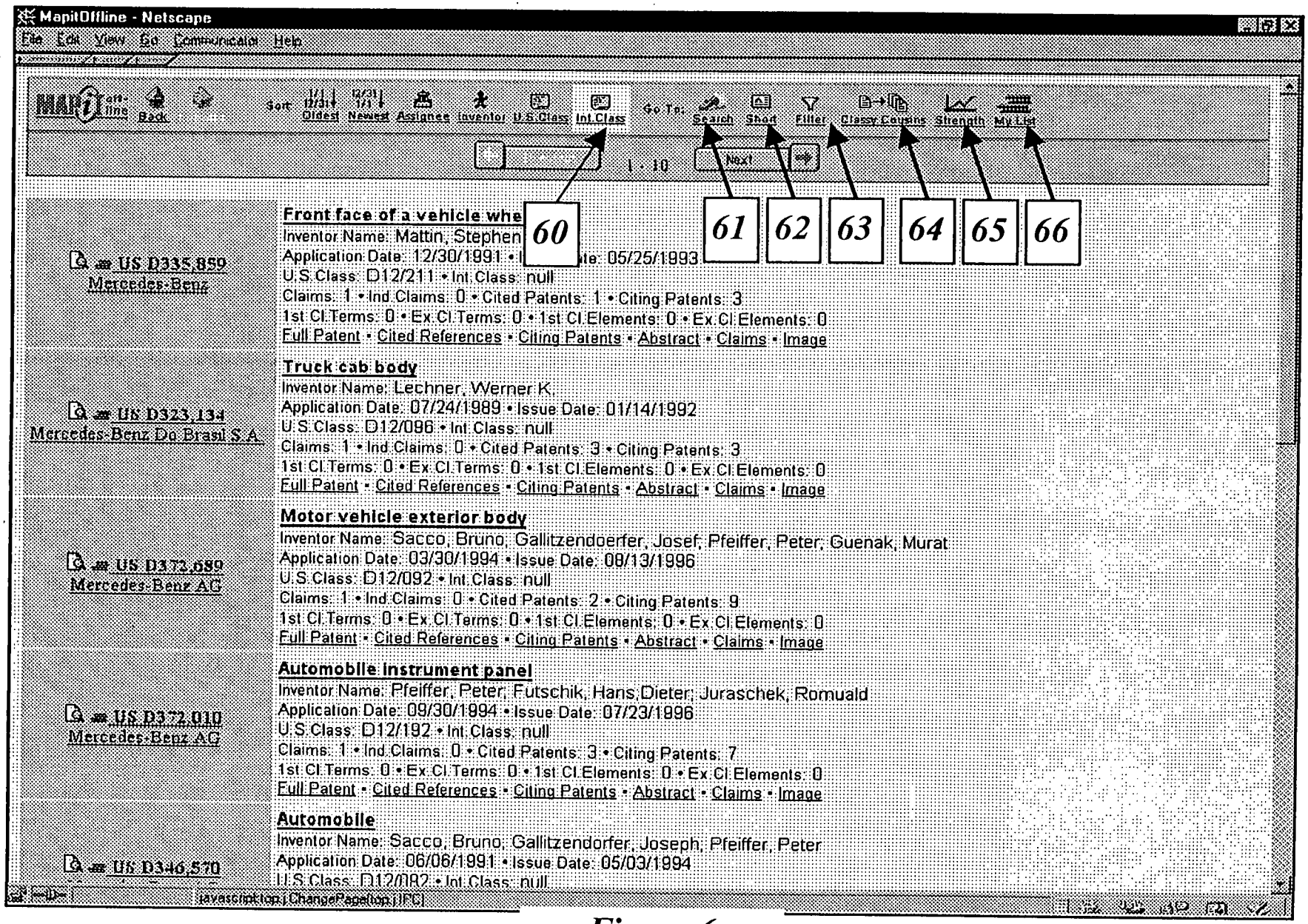
Figure 5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US D335,859
Mercedes-Benz
Front face of a vehicle whe
Inventor Name: Mattin, Stephen
Application Date: 12/30/1991 • I
te: 05/25/1993
U.S.Class: D12/211 • Int.Class: null
Claims: 1 • Ind.Claims: 0 • Cited Patents: 1 • Citing Patents: 3
1st Cl.Terms: 0 • Ex.Cl.Terms: 0 • 1st Cl.Elements: 0 • Ex.Cl.Elements: 0
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image
US D323,134
Mercedes-Benz Do Brasil S.A.
Truck cab body
Inventor Name: Lechner, Werner K.
Application Date: 07/24/1989 • Issue Date: 01/14/1992
U.S.Class: D12/086 • Int.Class: null
Claims: 1 • Ind.Claims: 0 • Cited Patents: 3 • Citing Patents: 3
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Full Patent • Cited References • Citing Patents • Abstract • Claims • Image
US D373,089
Mercedes-Benz AG
Motor vehicle exterior body
Inventor Name: Sacco, Bruno; Gallitzendoerfer, Josef; Pfeiffer, Peter; Guenak, Murat
Application Date: 03/30/1994 • Issue Date: 08/13/1996
U.S.Class: D12/092 • Int.Class: null
Claims: 1 • Ind.Claims: 0 • Cited Patents: 2 • Citing Patents: 9
1st Cl.Terms: 0 • Ex.Cl.Terms: 0 • 1st Cl.Elements: 0 • Ex.Cl.Elements: 0
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image
US D372,010
Mercedes-Benz AG
Automobile instrument panel
Inventor Name: Pfeiffer, Peter; Futschik, Hans-Dieter; Juraschek, Romuald
Application Date: 09/30/1994 • Issue Date: 07/23/1996
U.S.Class: D12/192 • Int.Class: null
Claims: 1 • Ind.Claims: 0 • Cited Patents: 3 • Citing Patents: 7
1st Cl.Terms: 0 • Ex.Cl.Terms: 0 • 1st Cl.Elements: 0 • Ex.Cl.Elements: 0
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image
US D346,570
Automobile
Inventor Name: Sacco, Bruno; Gallitzendorfer, Joseph; Pfeiffer, Peter
Application Date: 06/06/1991 • Issue Date: 05/03/1994
U.S.Class: D12/082 • Int.Class: null
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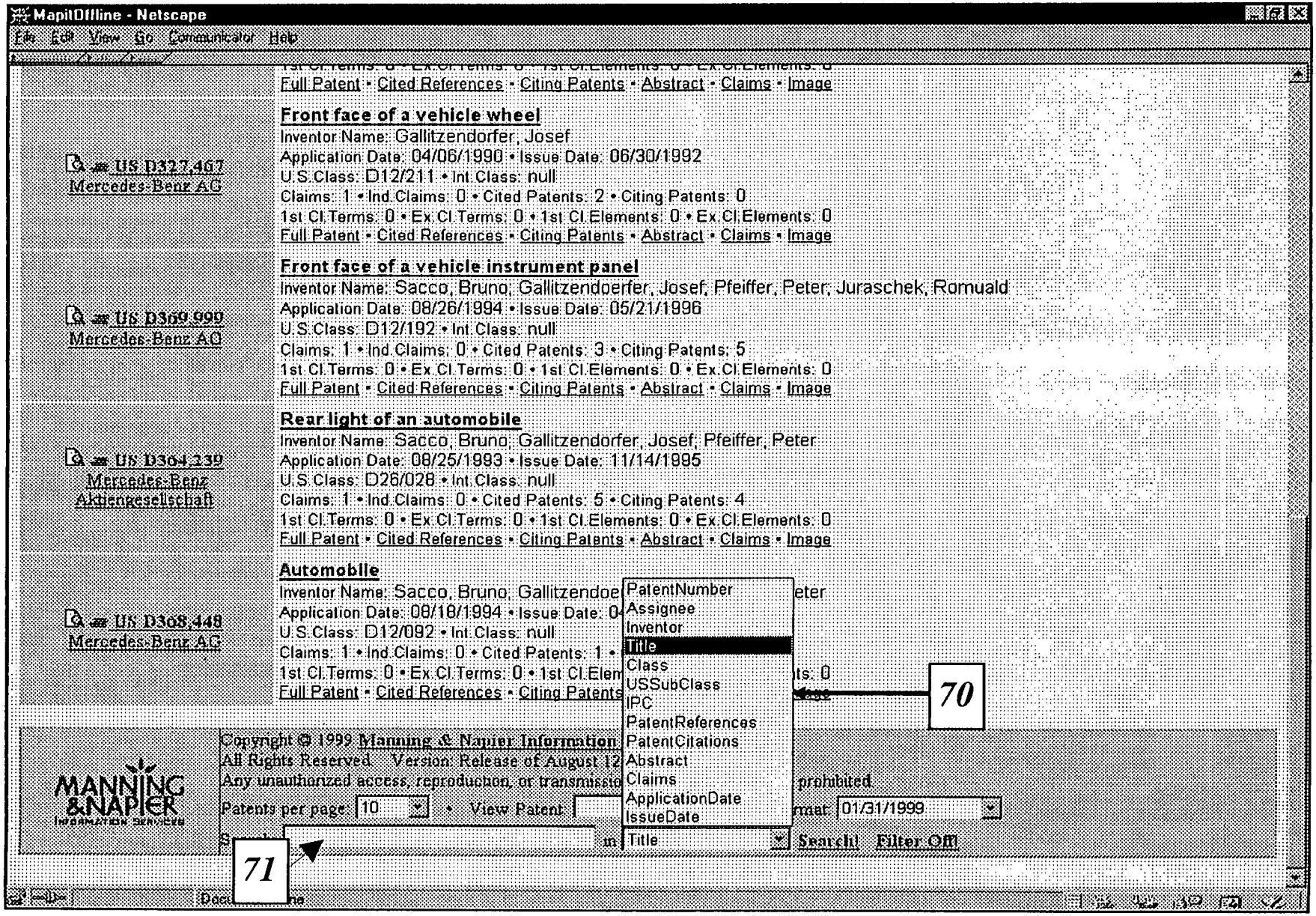
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Front face of a vehicle wheel
Inventor Name: Gallitzendorfer, Josef
Application Date: 04/06/1990 • Issue Date: 06/30/1992
U.S.Class: D12/211 • Int.Class: null
Claims: 1 • Ind.Claims: 0 • Cited Patents: 2 • Citing Patents: 0
1st Cl.Terms: 0 • Ex.Cl.Terms: 0 • 1st Cl.Elements: 0 • Ex.Cl.Elements: 0
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US D327,467
Mercedes-Benz AG
Front face of a vehicle instrument panel
Inventor Name: Sacco, Bruno; Gallitzendoerfer, Josef; Pfeiffer, Peter; Juraschek, Romuald
Application Date: 08/26/1994 • Issue Date: 05/21/1996
U.S.Class: D12/192 • Int.Class: null
Claims: 1 • Ind.Claims: 0 • Cited Patents: 3 • Citing Patents: 5
1st Cl.Terms: 0 • Ex.Cl.Terms: 0 • 1st Cl.Elements: 0 • Ex.Cl.Elements: 0
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image
US D369,999
Mercedes-Benz AG
Rear light of an automobile
Inventor Name: Sacco, Bruno; Gallitzendorfer, Josef; Pfeiffer, Peter
Application Date: 08/25/1993 • Issue Date: 11/14/1995
U.S.Class: D26/028 • Int.Class: null
Claims: 1 • Ind.Claims: 0 • Cited Patents: 5 • Citing Patents: 4
1st Cl.Terms: 0 • Ex.Cl.Terms: 0 • 1st Cl.Elements: 0 • Ex.Cl.Elements: 0
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image
US D364,239
Mercedes-Benz Aktiengesellschaft
Automobile
Inventor Name: Sacco, Bruno; Gallitzendoe
Application Date: 08/18/1994 • Issue Date: 0
U.S.Class: D12/092 • Int.Class: null
Claims: 1 • Ind.Claims: 0 • Cited Patents: 1 •
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Full Patent • Cited References • Citing Patents
US D368,448
Mercedes-Benz AG
PatentNumber
Assignee
Inventor
Title
Class
USSubClass
IPC
PatentReferences
PatentCitations
Abstract
Claims
ApplicationDate
IssueDate
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Title
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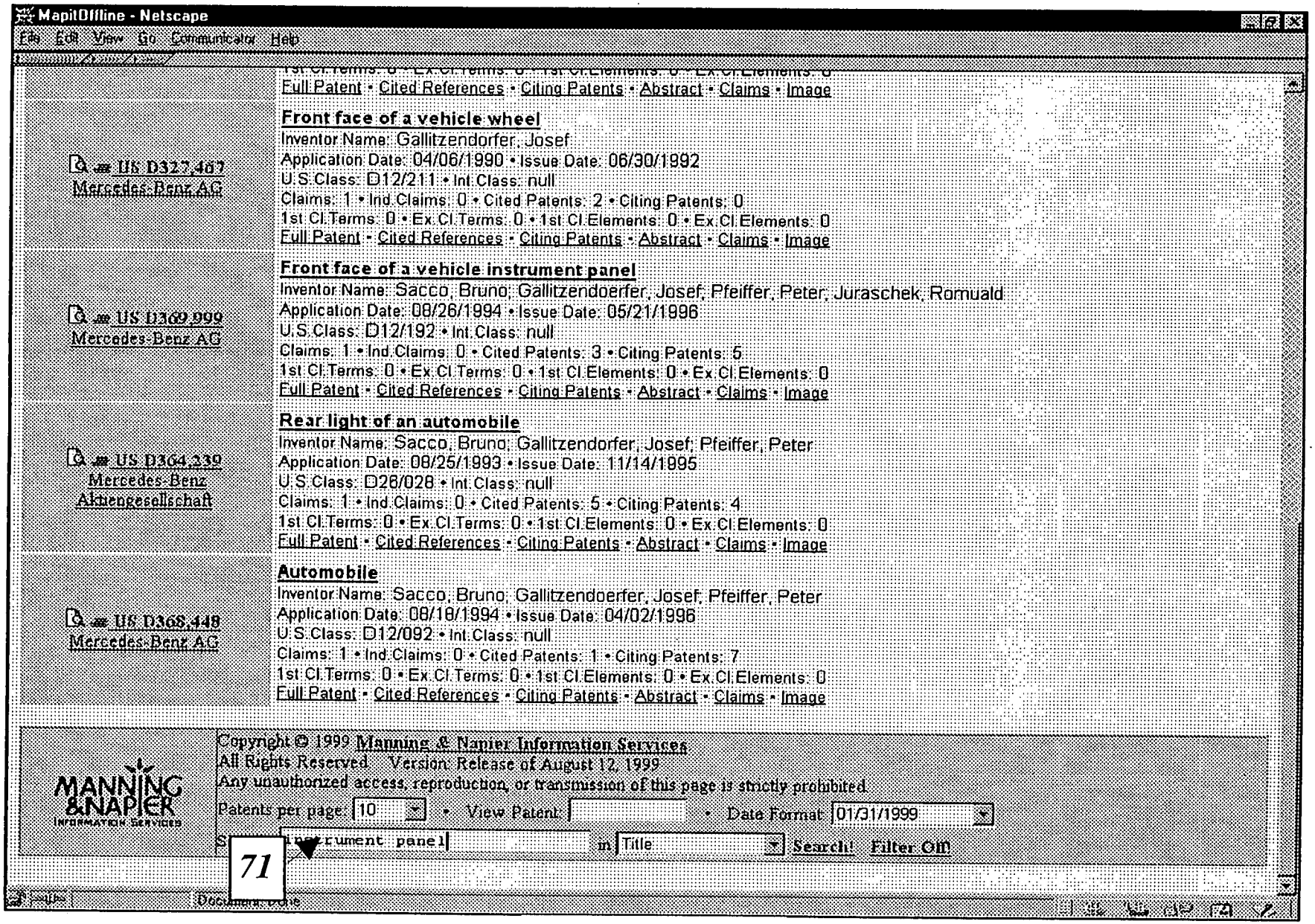
Figure 7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Front face of a vehicle wheel
Inventor Name: Gallitzendorfer, Josef
Application Date: 04/06/1990 • Issue Date: 06/30/1992
U.S.Class: D12/211 • Int.Class: null
Claims: 1 • Ind.Claims: 0 • Cited Patents: 2 • Citing Patents: 0
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Full Patent • Cited References • Citing Patents • Abstract • Claims • Image
US D327,487
Mercedes-Benz AG
Front face of a vehicle instrument panel
Inventor Name: Sacco, Bruno; Gallitzendoerfer, Josef; Pfeiffer, Peter; Juraschek, Romuald
Application Date: 08/26/1994 • Issue Date: 05/21/1996
U.S.Class: D12/192 • Int.Class: null
Claims: 1 • Ind.Claims: 0 • Cited Patents: 3 • Citing Patents: 5
1st Cl.Terms: 0 • Ex.Cl.Terms: 0 • 1st Cl.Elements: 0 • Ex.Cl.Elements: 0
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image
US D369,999
Mercedes-Benz AG
Rear light of an automobile
Inventor Name: Sacco, Bruno; Gallitzendorfer, Josef; Pfeiffer, Peter
Application Date: 08/25/1993 • Issue Date: 11/14/1995
U.S.Class: D26/028 • Int.Class: null
Claims: 1 • Ind.Claims: 0 • Cited Patents: 5 • Citing Patents: 4
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US D364,239
Mercedes-Benz Aktiengesellschaft
Automobile
Inventor Name: Sacco, Bruno; Gallitzendoerfer, Josef; Pfeiffer, Peter
Application Date: 08/18/1994 • Issue Date: 04/02/1996
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US D368,448
Mercedes-Benz AG
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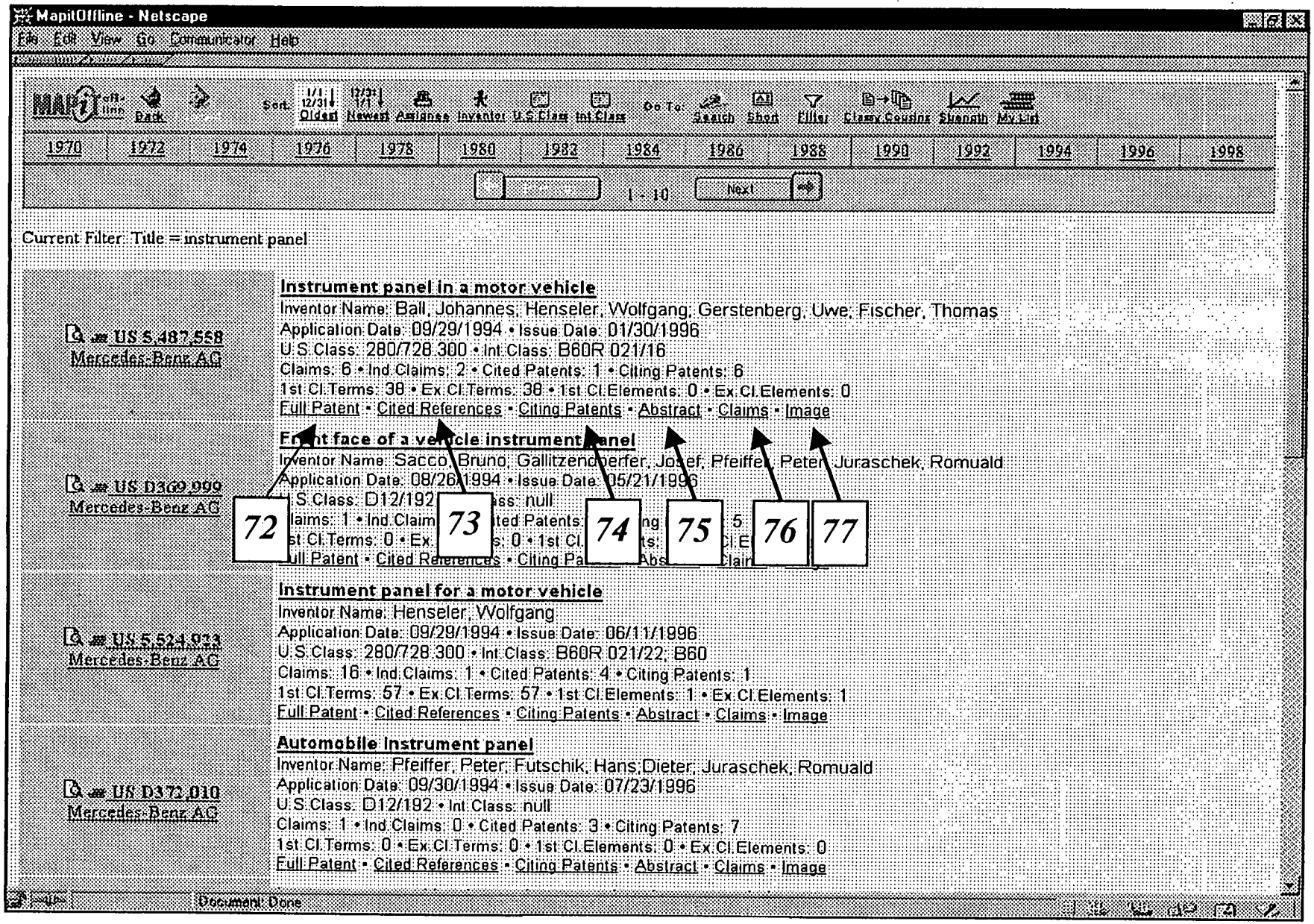
Figure 8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Next
Current Filter: Title = instrument panel
US 5,487,568
Mercedes-Benz AG
Instrument panel in a motor vehicle
Inventor Name: Ball, Johannes; Henseler, Wolfgang; Gerstenberg, Uwe; Fischer, Thomas
Application Date: 09/29/1994 • Issue Date: 01/30/1996
U.S.Class: 280/728.300 • Int.Class: B60R 021/16
Claims: 6 • Ind.Claims: 2 • Cited Patents: 1 • Citing Patents: 6
1st Cl.Terms: 38 • Ex.Cl.Terms: 38 • 1st Cl.Elements: 0 • Ex.Cl.Elements: 0
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image
US D369,999
Mercedes-Benz AG
Front face of a vehicle instrument panel
Inventor Name: Sacco, Bruno; Gallitzendoerfer, Josef; Pfeiffer, Peter; Juraschek, Romuald
Application Date: 08/26/1994 • Issue Date: 05/21/1996
U.S.Class: D12/192 • Int.Class: null
Claims: 1 • Ind.Claims: 0 • Cited Patents: 5
1st Cl.Terms: 0 • Ex.Cl.Terms: 0 • 1st Cl.Elements: 0 • Ex.Cl.Elements: 0
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image
US 5,524,933
Mercedes-Benz AG
Instrument panel for a motor vehicle
Inventor Name: Henseler, Wolfgang
Application Date: 09/29/1994 • Issue Date: 06/11/1996
U.S.Class: 280/728.300 • Int.Class: B60R 021/22; B60
Claims: 16 • Ind.Claims: 1 • Cited Patents: 4 • Citing Patents: 1
1st Cl.Terms: 57 • Ex.Cl.Terms: 57 • 1st Cl.Elements: 1 • Ex.Cl.Elements: 1
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image
US D373,010
Mercedes-Benz AG
Automobile instrument panel
Inventor Name: Pfeiffer, Peter; Futschik, Hans-Dieter; Juraschek, Romuald
Application Date: 09/30/1994 • Issue Date: 07/23/1996
U.S.Class: D12/192 • Int.Class: null
Claims: 1 • Ind.Claims: 0 • Cited Patents: 3 • Citing Patents: 7
1st Cl.Terms: 0 • Ex.Cl.Terms: 0 • 1st Cl.Elements: 0 • Ex.Cl.Elements: 0
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image
72
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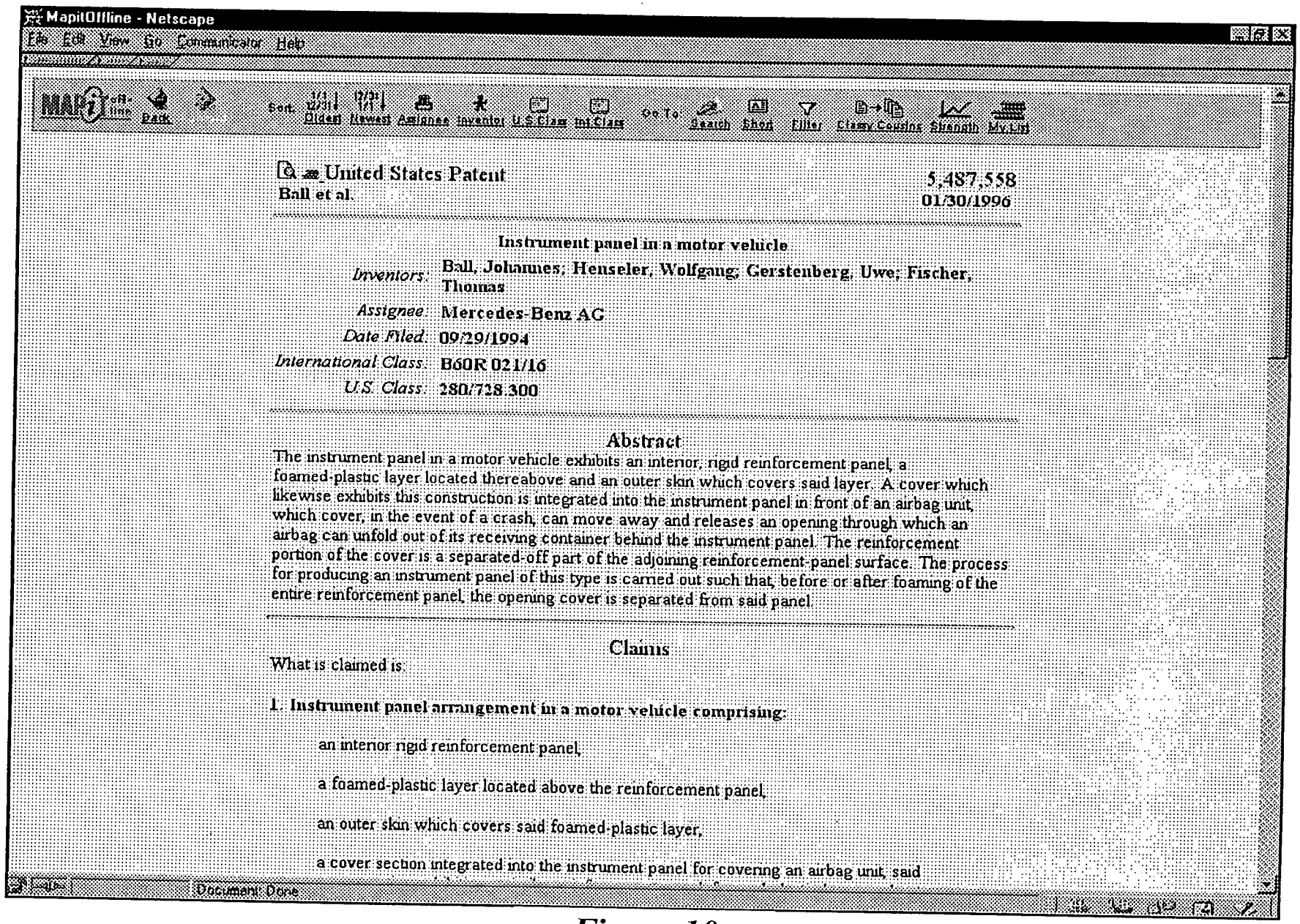
Figure 9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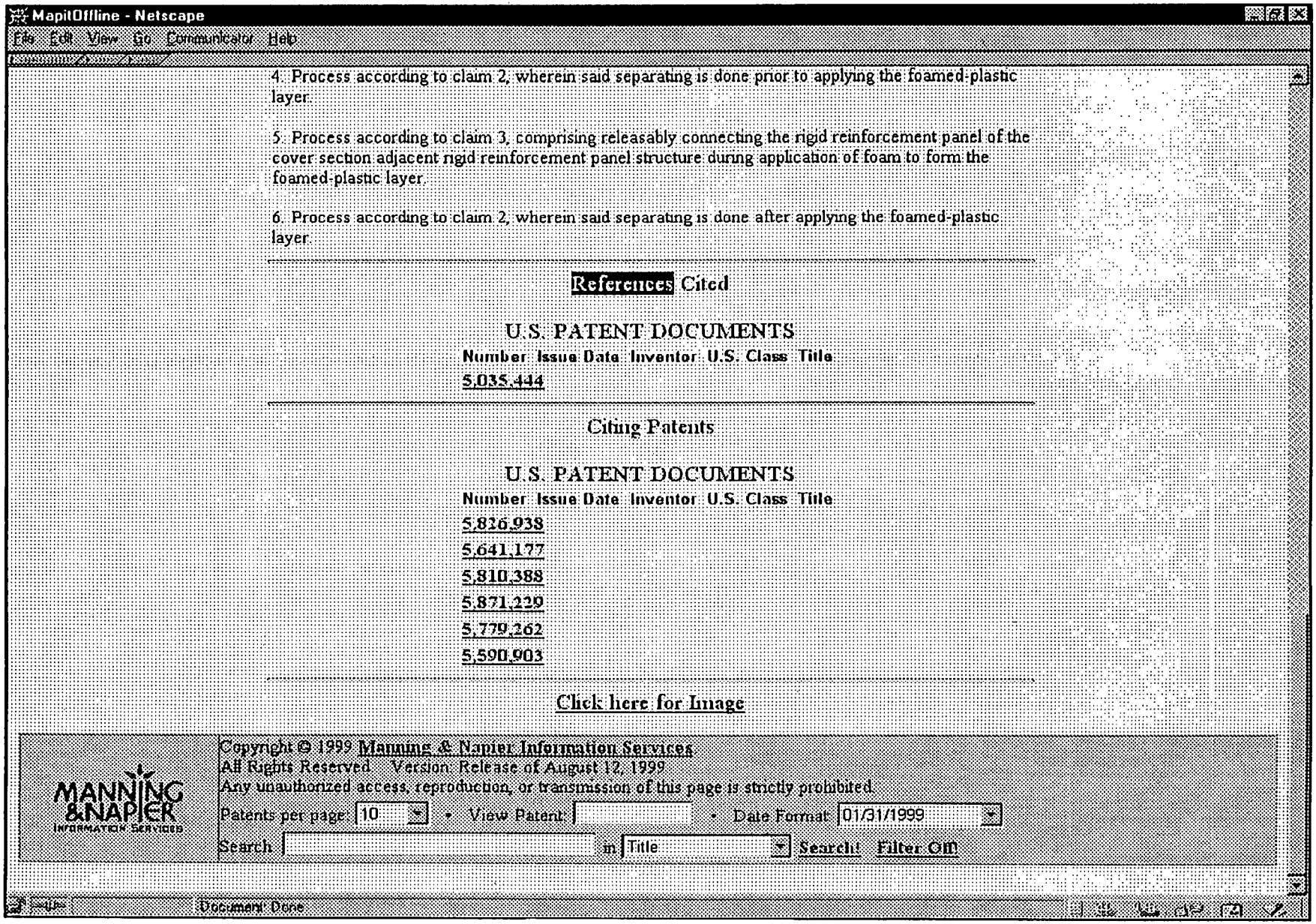
United States Patent
Ball et al.
5,487,558
01/30/1996
Instrument panel in a motor vehicle
Inventors: Ball, Johannes; Henseler, Wolfgang; Gerstenberg, Uwe; Fischer, Thomas
Assignee: Mercedes-Benz AG
Date Filed: 09/29/1994
International Class: B60R 021/16
U.S. Class: 280/728.300
Abstract
The instrument panel in a motor vehicle exhibits an interior, rigid reinforcement panel, a foamed-plastic layer located thereabove and an outer skin which covers said layer. A cover which likewise exhibits this construction is integrated into the instrument panel in front of an airbag unit, which cover, in the event of a crash, can move away and releases an opening through which an airbag can unfold out of its receiving container behind the instrument panel. The reinforcement portion of the cover is a separated-off part of the adjoining reinforcement-panel surface. The process for producing an instrument panel of this type is carried out such that, before or after foaming of the entire reinforcement panel, the opening cover is separated from said panel.
Claims
What is claimed is:
1. Instrument panel arrangement in a motor vehicle comprising:
an interior rigid reinforcement panel,
a foamed-plastic layer located above the reinforcement panel,
an outer skin which covers said foamed-plastic layer,
a cover section integrated into the instrument panel for covering an airbag unit, said
Document: Done

Figure 10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4. Process according to claim 2, wherein said separating is done prior to applying the foamed-plastic layer.
5. Process according to claim 3, comprising releasably connecting the rigid reinforcement panel of the cover section adjacent rigid reinforcement panel structure during application of foam to form the foamed-plastic layer.
6. Process according to claim 2, wherein said separating is done after applying the foamed-plastic layer.
References Cited
U.S. PATENT DOCUMENTS
Number Issue Date Inventor U.S. Class Title
5,035,444
Citing Patents
U.S. PATENT DOCUMENTS
Number Issue Date Inventor U.S. Class Title
5,826,938
5,641,177
5,810,388
5,871,229
5,779,262
5,590,903
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Patents per page: 10 • View Patent: • Date Format: 01/31/1999
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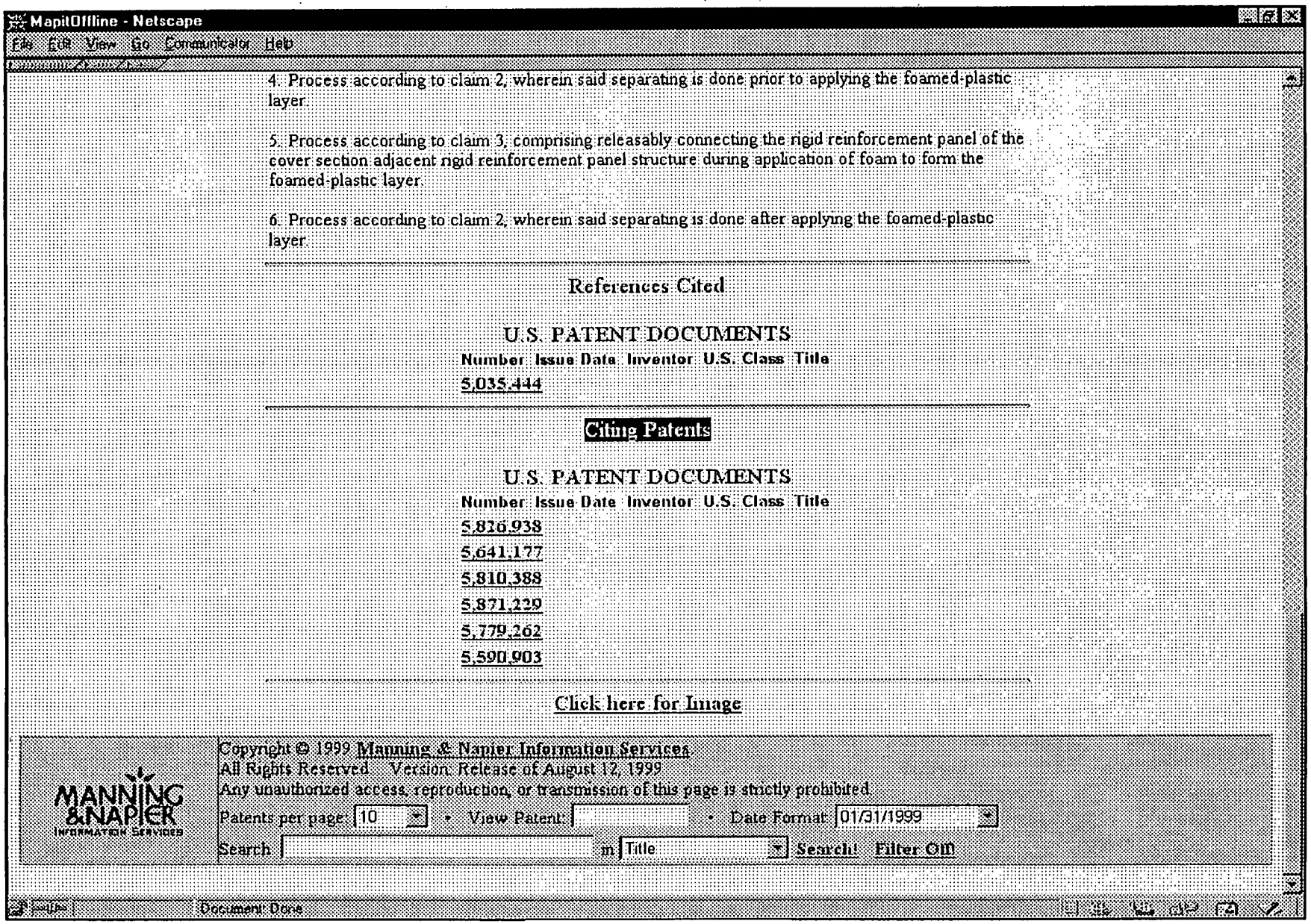
Figure 11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4. Process according to claim 2, wherein said separating is done prior to applying the foamed-plastic layer.
5. Process according to claim 3, comprising releasably connecting the rigid reinforcement panel of the cover section adjacent rigid reinforcement panel structure during application of foam to form the foamed-plastic layer.
6. Process according to claim 2, wherein said separating is done after applying the foamed-plastic layer.
References Cited
U.S. PATENT DOCUMENTS
Number Issue Date Inventor U.S. Class Title
5,035,444
Citing Patents
U.S. PATENT DOCUMENTS
Number Issue Date Inventor U.S. Class Title
5,826,938
5,641,177
5,810,388
5,871,229
5,779,262
5,590,903
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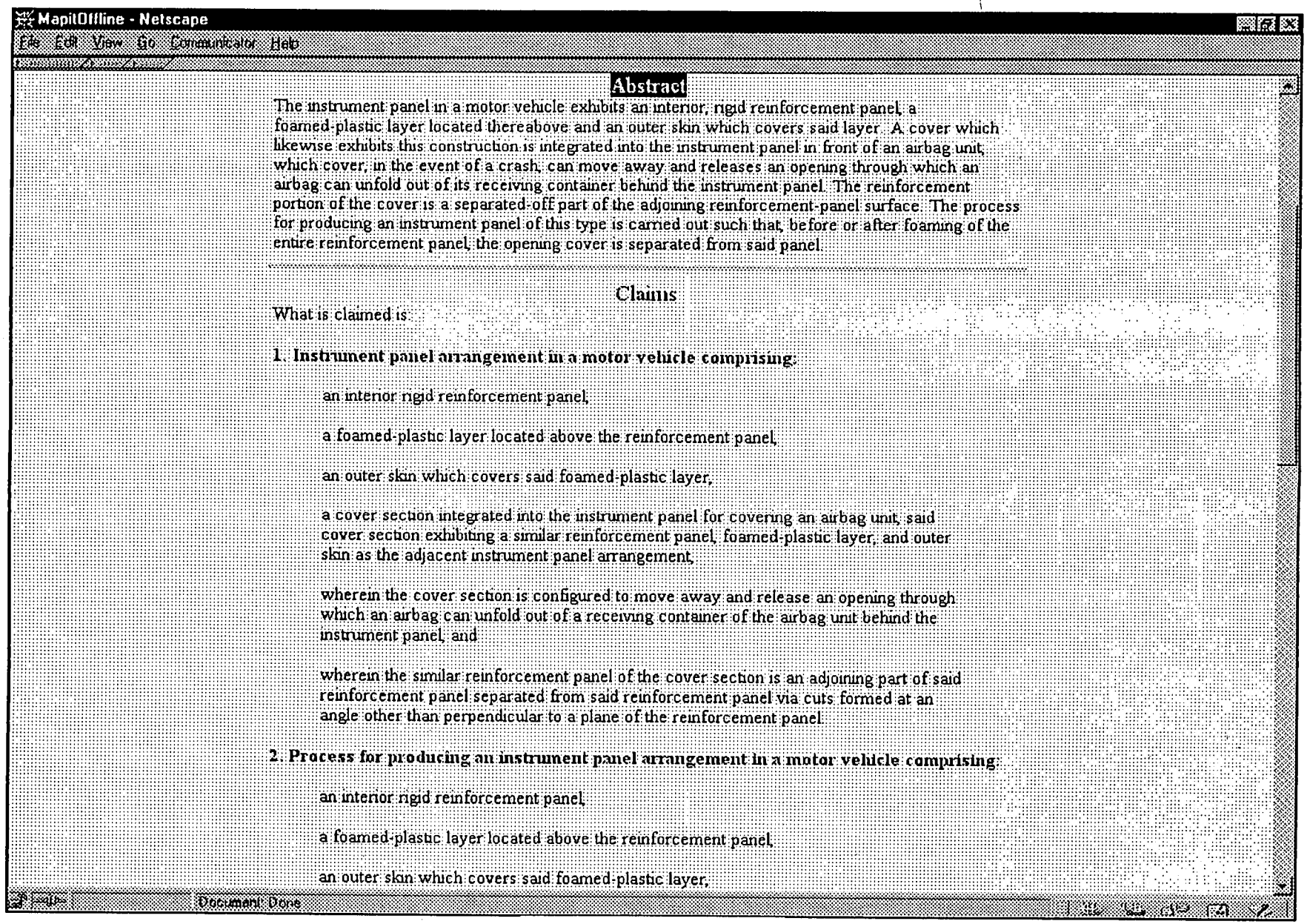
Figure 12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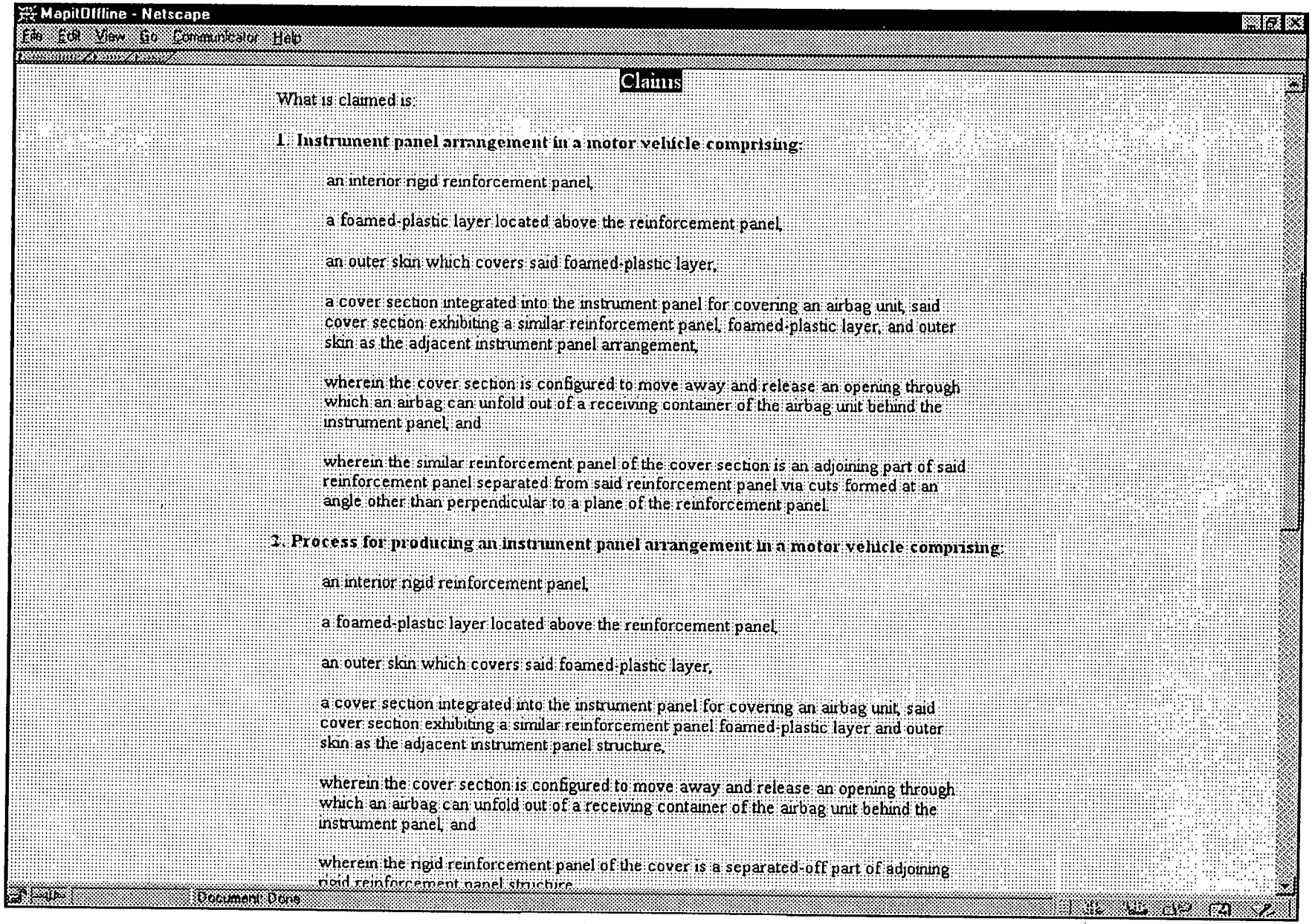
Abstract
The instrument panel in a motor vehicle exhibits an interior, rigid reinforcement panel, a foamed-plastic layer located thereabove and an outer skin which covers said layer. A cover which likewise exhibits this construction is integrated into the instrument panel in front of an airbag unit, which cover, in the event of a crash, can move away and releases an opening through which an airbag can unfold out of its receiving container behind the instrument panel. The reinforcement portion of the cover is a separated-off part of the adjoining reinforcement-panel surface. The process for producing an instrument panel of this type is carried out such that, before or after foaming of the entire reinforcement panel, the opening cover is separated from said panel.
Claims
What is claimed is:
1. Instrument panel arrangement in a motor vehicle comprising:
an interior rigid reinforcement panel,
a foamed-plastic layer located above the reinforcement panel,
an outer skin which covers said foamed-plastic layer,
a cover section integrated into the instrument panel for covering an airbag unit, said cover section exhibiting a similar reinforcement panel, foamed-plastic layer, and outer skin as the adjacent instrument panel arrangement,
wherein the cover section is configured to move away and release an opening through which an airbag can unfold out of a receiving container of the airbag unit behind the instrument panel, and
wherein the similar reinforcement panel of the cover section is an adjoining part of said reinforcement panel separated from said reinforcement panel via cuts formed at an angle other than perpendicular to a plane of the reinforcement panel.
2. Process for producing an instrument panel arrangement in a motor vehicle comprising:
an interior rigid reinforcement panel,
a foamed-plastic layer located above the reinforcement panel,
an outer skin which covers said foamed-plastic layer,
Document: Done

Figure 13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Claims
What is claimed is:
1. Instrument panel arrangement in a motor vehicle comprising:
an interior rigid reinforcement panel,
a foamed-plastic layer located above the reinforcement panel,
an outer skin which covers said foamed-plastic layer,
a cover section integrated into the instrument panel for covering an airbag unit, said cover section exhibiting a similar reinforcement panel, foamed-plastic layer, and outer skin as the adjacent instrument panel arrangement,
wherein the cover section is configured to move away and release an opening through which an airbag can unfold out of a receiving container of the airbag unit behind the instrument panel, and
wherein the similar reinforcement panel of the cover section is an adjoining part of said reinforcement panel separated from said reinforcement panel via cuts formed at an angle other than perpendicular to a plane of the reinforcement panel.
2. Process for producing an instrument panel arrangement in a motor vehicle comprising:
an interior rigid reinforcement panel,
a foamed-plastic layer located above the reinforcement panel,
an outer skin which covers said foamed-plastic layer,
a cover section integrated into the instrument panel for covering an airbag unit, said cover section exhibiting a similar reinforcement panel foamed-plastic layer and outer skin as the adjacent instrument panel structure,
wherein the cover section is configured to move away and release an opening through which an airbag can unfold out of a receiving container of the airbag unit behind the instrument panel, and
wherein the rigid reinforcement panel of the cover is a separated-off part of adjoining
Document: Done

Figure 14

US05407550__.tif Page 1 - Netscape

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U.S. PATENT DOCUMENTS

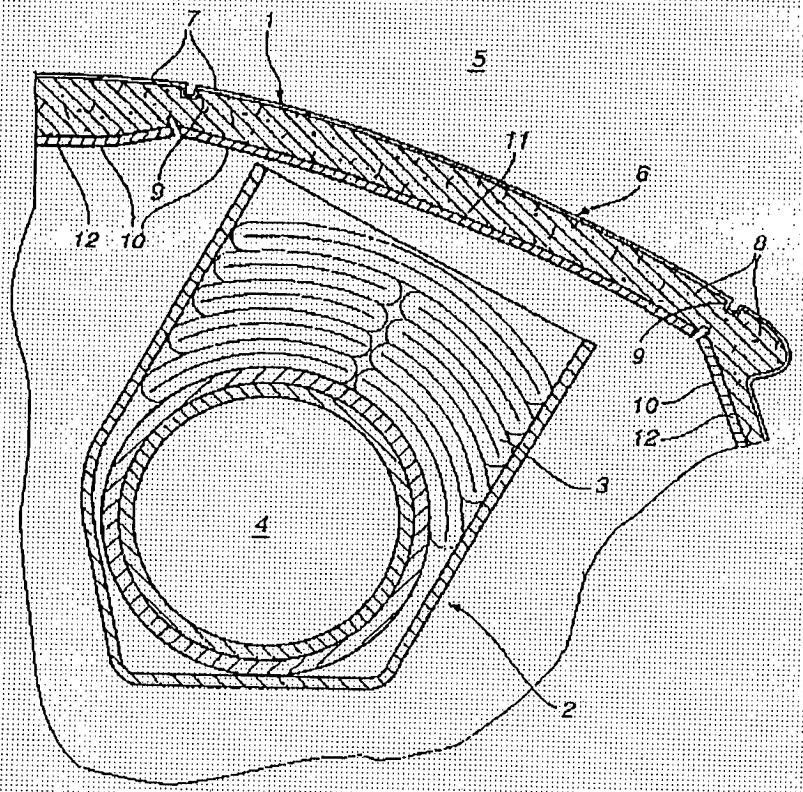
5,031,414 7/1991 Carter 280/728.3

FOREIGN PATENT DOCUMENTS

465869 1/1992 European Pat. Off. ...

that, before or after foaming of the entire reinforcement panel, the opening cover is separated from said panel.

6 Claims, 1 Drawing Sheet



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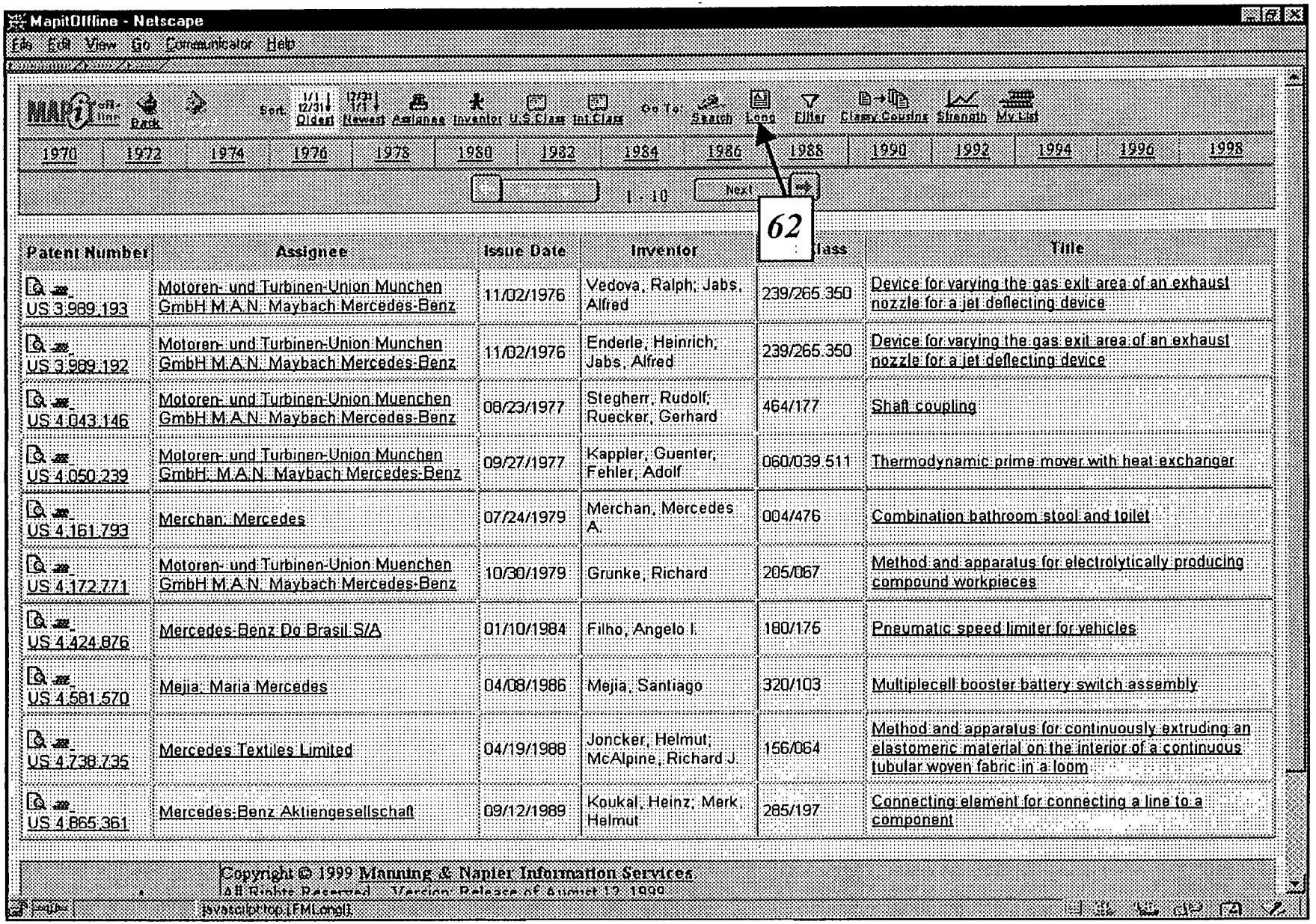
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62
Patent Number
Assignee
Issue Date
Inventor
Class
Title
US 3,989,193
Motoren- und Turbinen-Union Munchen GmbH M.A.N. Maybach Mercedes-Benz
11/02/1976
Vedova, Ralph; Jabs, Alfred
239/265.350
Device for varying the gas exit area of an exhaust nozzle for a jet deflecting device
US 3,989,192
Motoren- und Turbinen-Union Munchen GmbH M.A.N. Maybach Mercedes-Benz
11/02/1976
Enderle, Heinrich; Jabs, Alfred
239/265.350
Device for varying the gas exit area of an exhaust nozzle for a jet deflecting device
US 4,043,146
Motoren- und Turbinen-Union Muenchen GmbH M.A.N. Maybach Mercedes-Benz
08/23/1977
Stegherr, Rudolf; Ruecker, Gerhard
464/177
Shaft coupling
US 4,050,239
Motoren- und Turbinen-Union Munchen GmbH, M.A.N. Maybach Mercedes-Benz
09/27/1977
Kappler, Guenter; Fehler, Adolf
060/039.511
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US 4,161,793
Merchan, Mercedes
07/24/1979
Merchan, Mercedes A.
004/476
Combination bathroom stool and toilet
US 4,172,771
Motoren- und Turbinen-Union Muenchen GmbH M.A.N. Maybach Mercedes-Benz
10/30/1979
Grunke, Richard
205/067
Method and apparatus for electrolytically producing compound workpieces
US 4,424,876
Mercedes-Benz Do Brasil S/A
01/10/1984
Filho, Angelo I.
180/176
Pneumatic speed limiter for vehicles
US 4,581,570
Mejia, Maria Mercedes
04/08/1986
Mejia, Santiago
320/103
Multiplecell booster battery switch assembly
US 4,738,735
Mercedes Textiles Limited
04/19/1988
Joncker, Helmut; McAlpine, Richard J.
156/064
Method and apparatus for continuously extruding an elastomeric material on the interior of a continuous tubular woven fabric in a loom
US 4,865,361
Mercedes-Benz Aktiengesellschaft
09/12/1989
Koukal, Heinz; Merk, Helmut
285/197
Connecting element for connecting a line to a component
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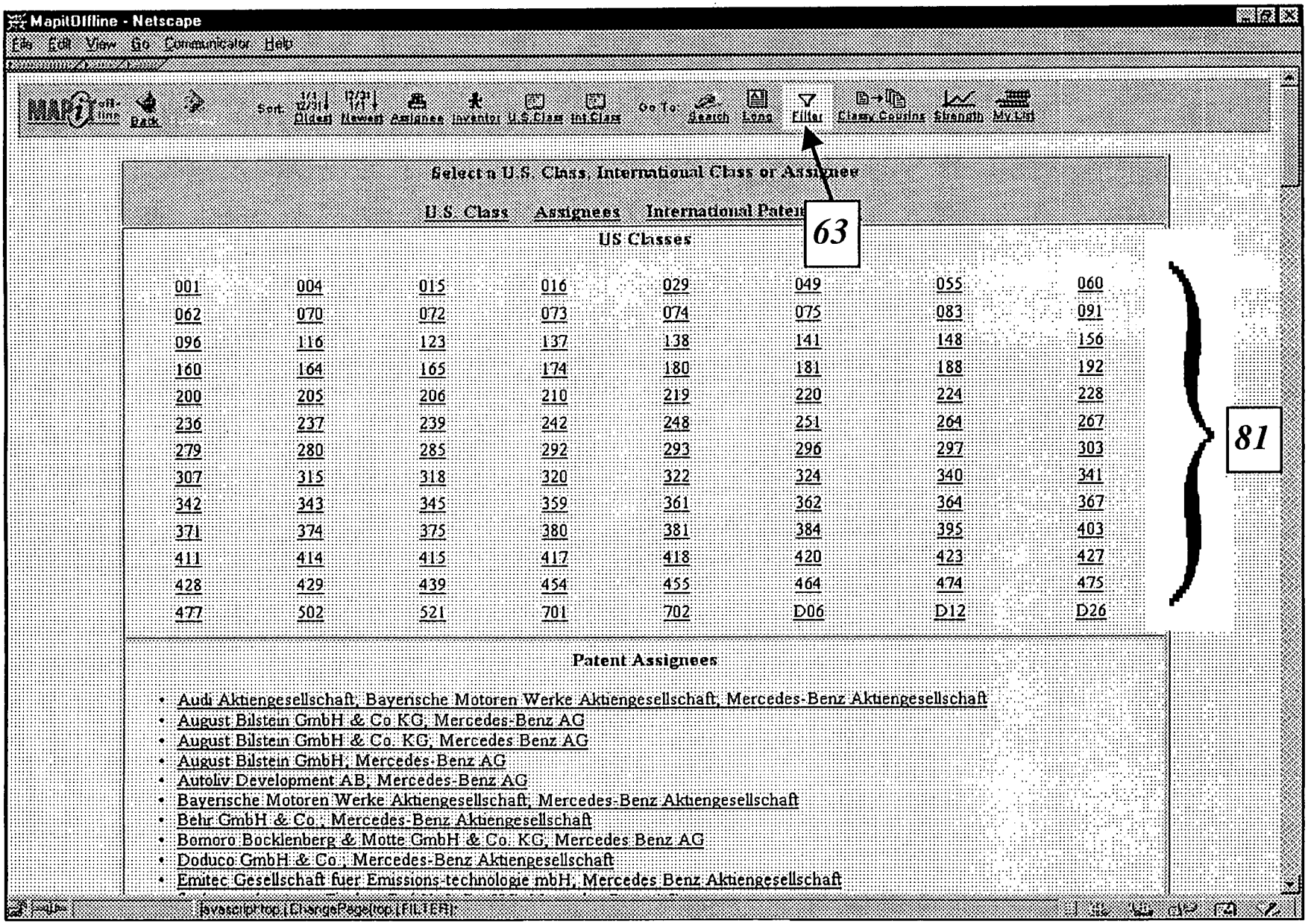
javascript:top.fFM.cmgl()

Figure 16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International Patent
63
US Classes
001 004 015 016 029 049 055 060
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096 116 123 137 138 141 148 156
160 164 165 174 180 181 188 192
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342 343 345 359 361 362 364 367
371 374 375 380 381 384 395 403
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428 429 439 454 455 464 474 475
477 502 521 701 702 D06 D12 D26
81
Patent Assignees
Audi Aktiengesellschaft, Bayerische Motoren Werke Aktiengesellschaft, Mercedes-Benz Aktiengesellschaft
August Bilstein GmbH & Co KG, Mercedes-Benz AG
August Bilstein GmbH & Co. KG, Mercedes Benz AG
August Bilstein GmbH, Mercedes-Benz AG
Autoliv Development AB, Mercedes-Benz AG
Bayerische Motoren Werke Aktiengesellschaft, Mercedes-Benz Aktiengesellschaft
Behr GmbH & Co., Mercedes-Benz Aktiengesellschaft
Bomoro Bocklenberg & Motte GmbH & Co. KG, Mercedes Benz AG
Doduco GmbH & Co., Mercedes-Benz Aktiengesellschaft
Emitec Gesellschaft fuer Emissions-technologie mbH, Mercedes Benz Aktiengesellschaft
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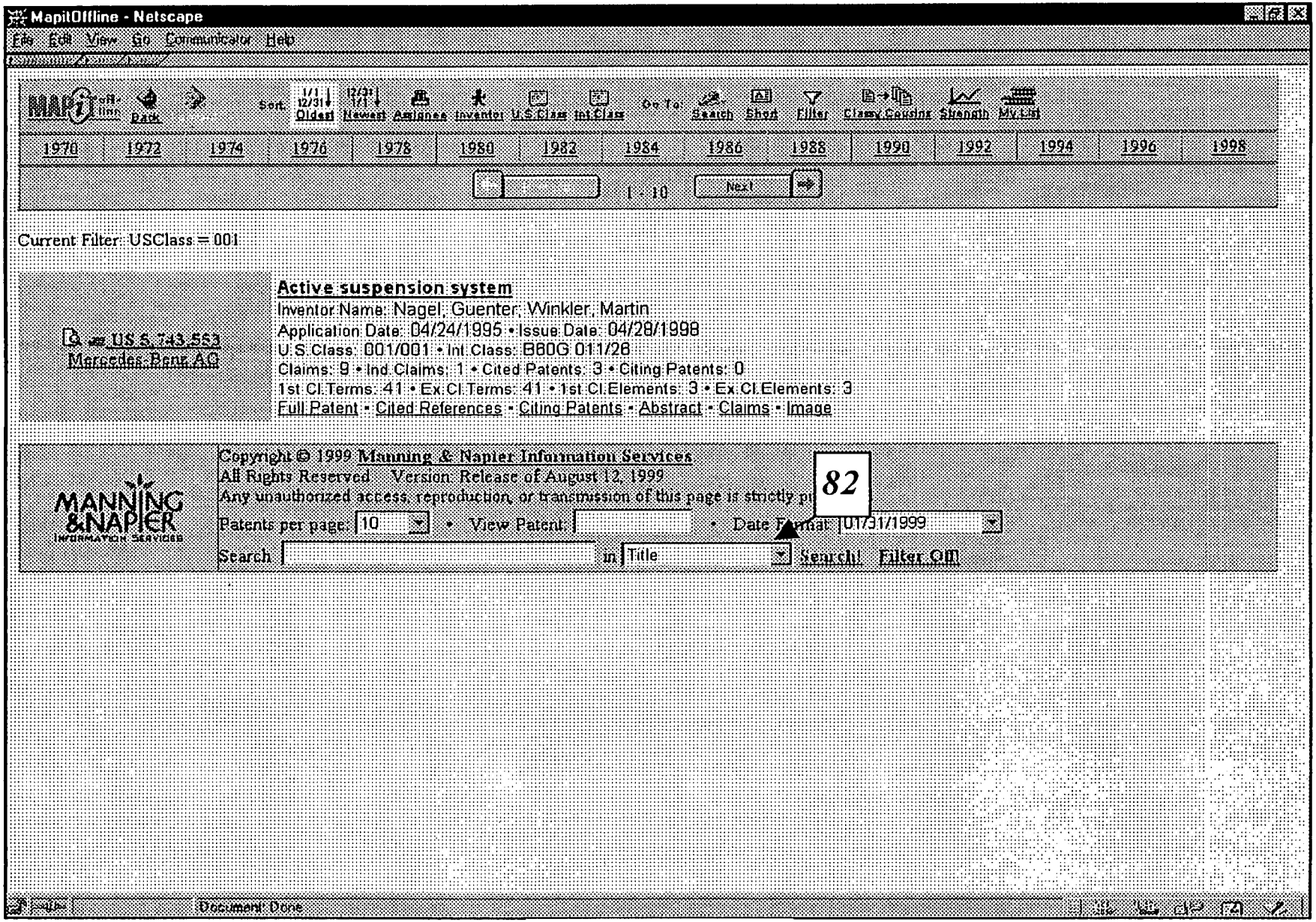
Figure 17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US 5,743,553
Mercedes-Benz AG
Active suspension system
Inventor Name: Nagel, Guenter; Winkler, Martin
Application Date: 04/24/1995 • Issue Date: 04/28/1998
U.S.Class: 001/001 • Int.Class: B60G 011/26
Claims: 9 • Ind.Claims: 1 • Cited Patents: 3 • Citing Patents: 0
1st Cl.Terms: 41 • Ex.Cl.Terms: 41 • 1st Cl.Elements: 3 • Ex.Cl.Elements: 3
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image
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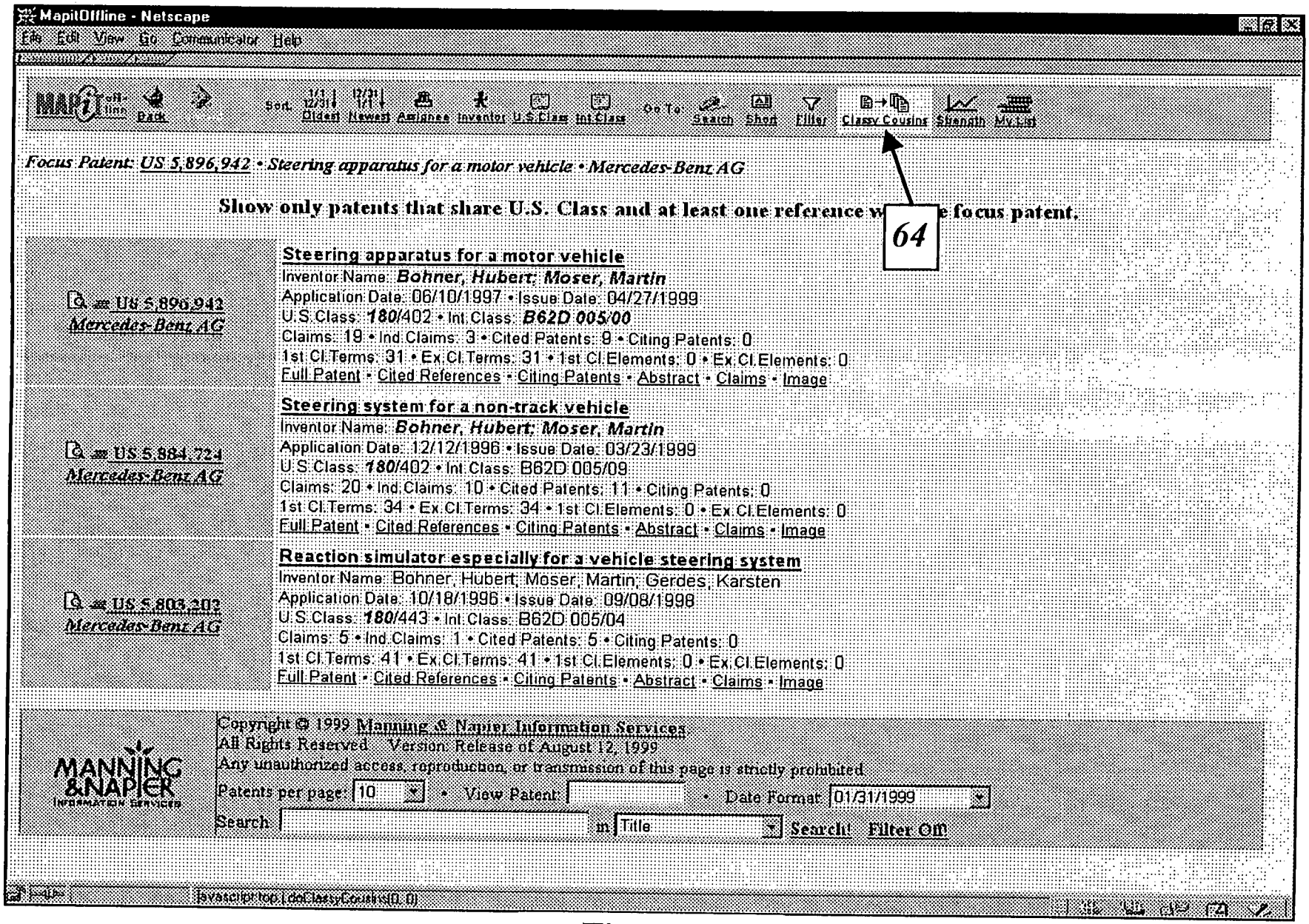
Figure 18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64
Focus Patent: US 5,896,942 • Steering apparatus for a motor vehicle • Mercedes-Benz AG
Show only patents that share U.S. Class and at least one reference w e focus patent.
US 5,896,942
Mercedes-Benz AG
Steering apparatus for a motor vehicle
Inventor Name: Bohner, Hubert; Moser, Martin
Application Date: 06/10/1997 • Issue Date: 04/27/1999
U.S.Class: 180/402 • Int.Class: B62D 005/00
Claims: 19 • Ind.Claims: 3 • Cited Patents: 9 • Citing Patents: 0
1st Cl.Terms: 31 • Ex.Cl.Terms: 31 • 1st Cl.Elements: 0 • Ex.Cl.Elements: 0
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image
US 5,884,724
Mercedes-Benz AG
Steering system for a non-track vehicle
Inventor Name: Bohner, Hubert; Moser, Martin
Application Date: 12/12/1996 • Issue Date: 03/23/1999
U.S.Class: 180/402 • Int.Class: B62D 005/09
Claims: 20 • Ind.Claims: 10 • Cited Patents: 11 • Citing Patents: 0
1st Cl.Terms: 34 • Ex.Cl.Terms: 34 • 1st Cl.Elements: 0 • Ex.Cl.Elements: 0
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image
US 5,803,202
Mercedes-Benz AG
Reaction simulator especially for a vehicle steering system
Inventor Name: Bohner, Hubert; Moser, Martin; Gerdes, Karsten
Application Date: 10/18/1996 • Issue Date: 09/08/1998
U.S.Class: 180/443 • Int.Class: B62D 005/04
Claims: 5 • Ind.Claims: 1 • Cited Patents: 5 • Citing Patents: 0
1st Cl.Terms: 41 • Ex.Cl.Terms: 41 • 1st Cl.Elements: 0 • Ex.Cl.Elements: 0
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image
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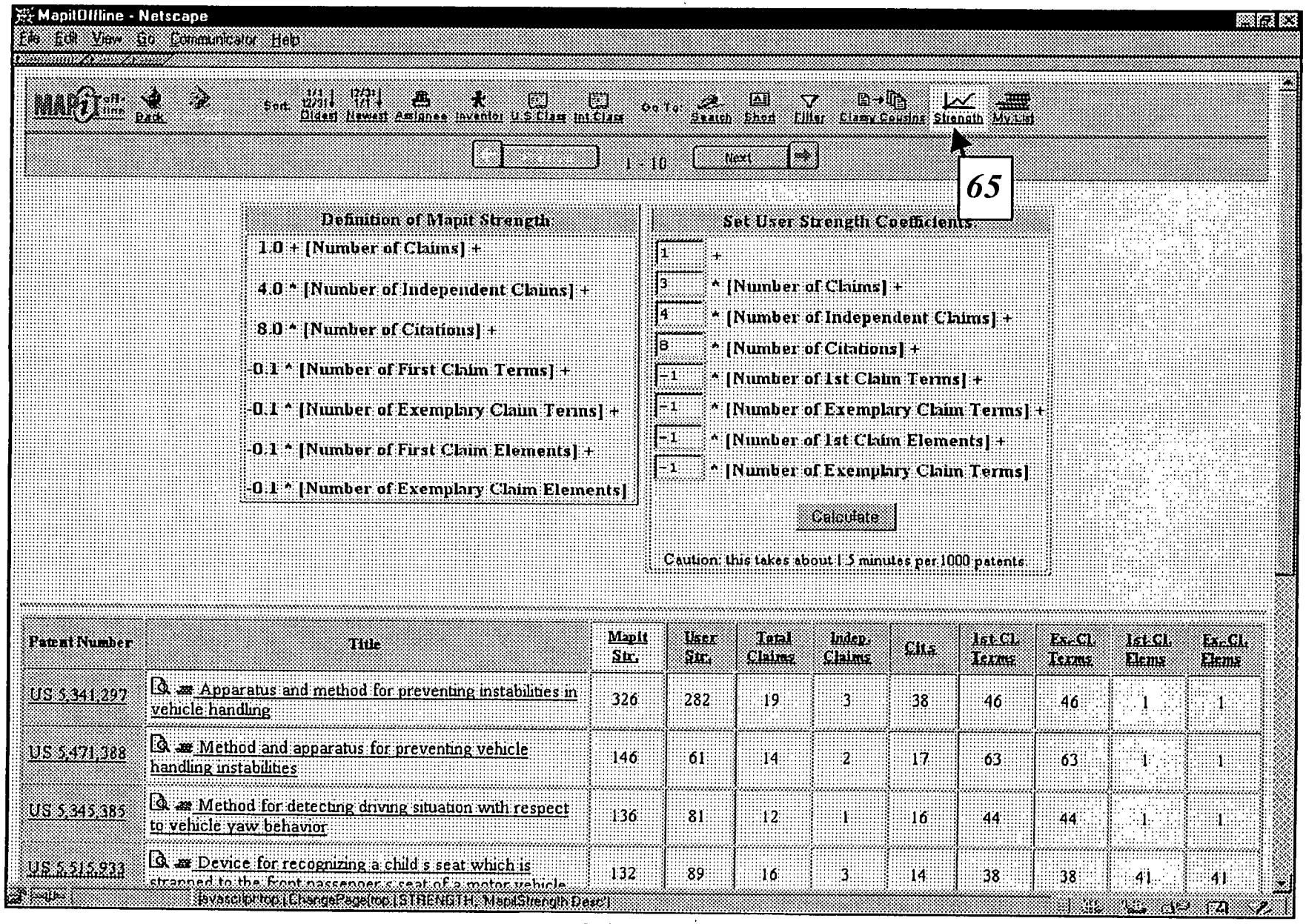
Figure 19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Ex. Cl. Elems
US 5,341,297
Apparatus and method for preventing instabilities in vehicle handling
326 282 19 3 38 46 46 1 1
US 5,471,388
Method and apparatus for preventing vehicle handling instabilities
146 61 14 2 17 63 63 1 1
US 5,345,385
Method for detecting driving situation with respect to vehicle yaw behavior
136 81 12 1 16 44 44 1 1
US 5,215,933
Device for recognizing a child s seat which is
132 89 16 3 14 38 38 41 41
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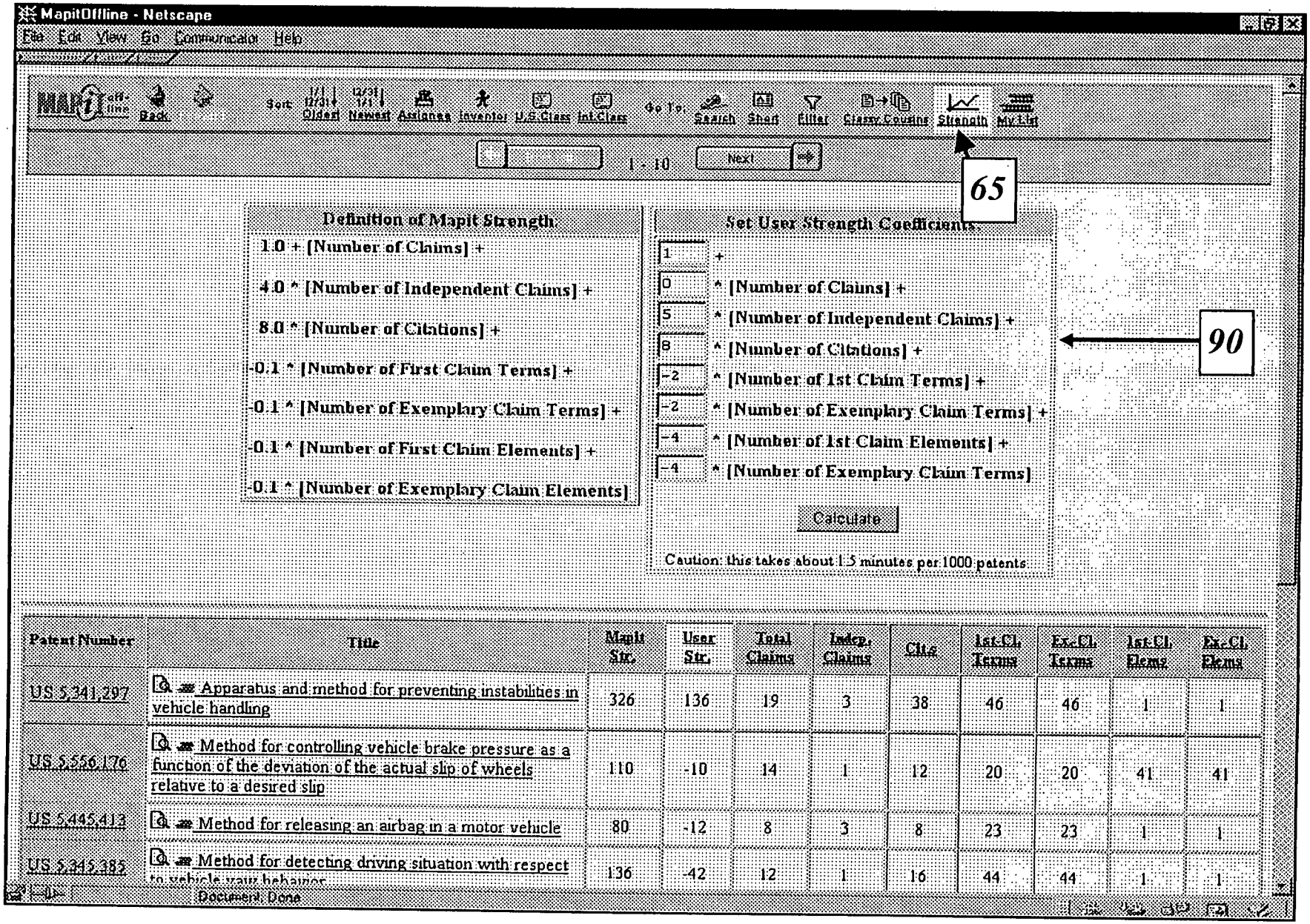
Figure 20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User Str.
Total Claims
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Ex.Cl. Terms
1st Cl. Elems
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US 5,341,297
Apparatus and method for preventing instabilities in vehicle handling
326
136
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US 5,550,176
Method for controlling vehicle brake pressure as a function of the deviation of the actual slip of wheels relative to a desired slip
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US 5,445,413
Method for releasing an airbag in a motor vehicle
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US 5,345,385
Method for detecting driving situation with respect to vehicle your behavior
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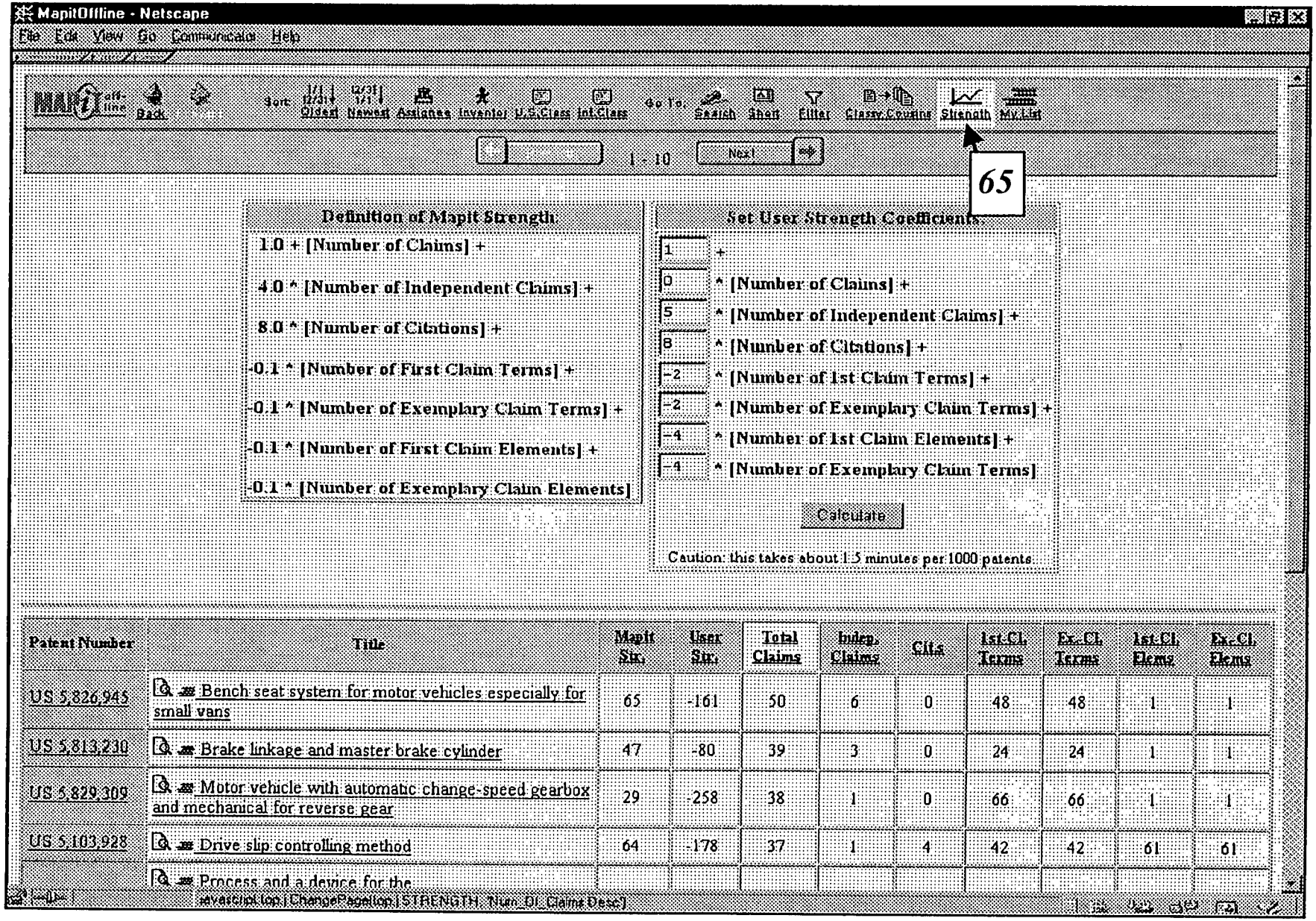
Figure 21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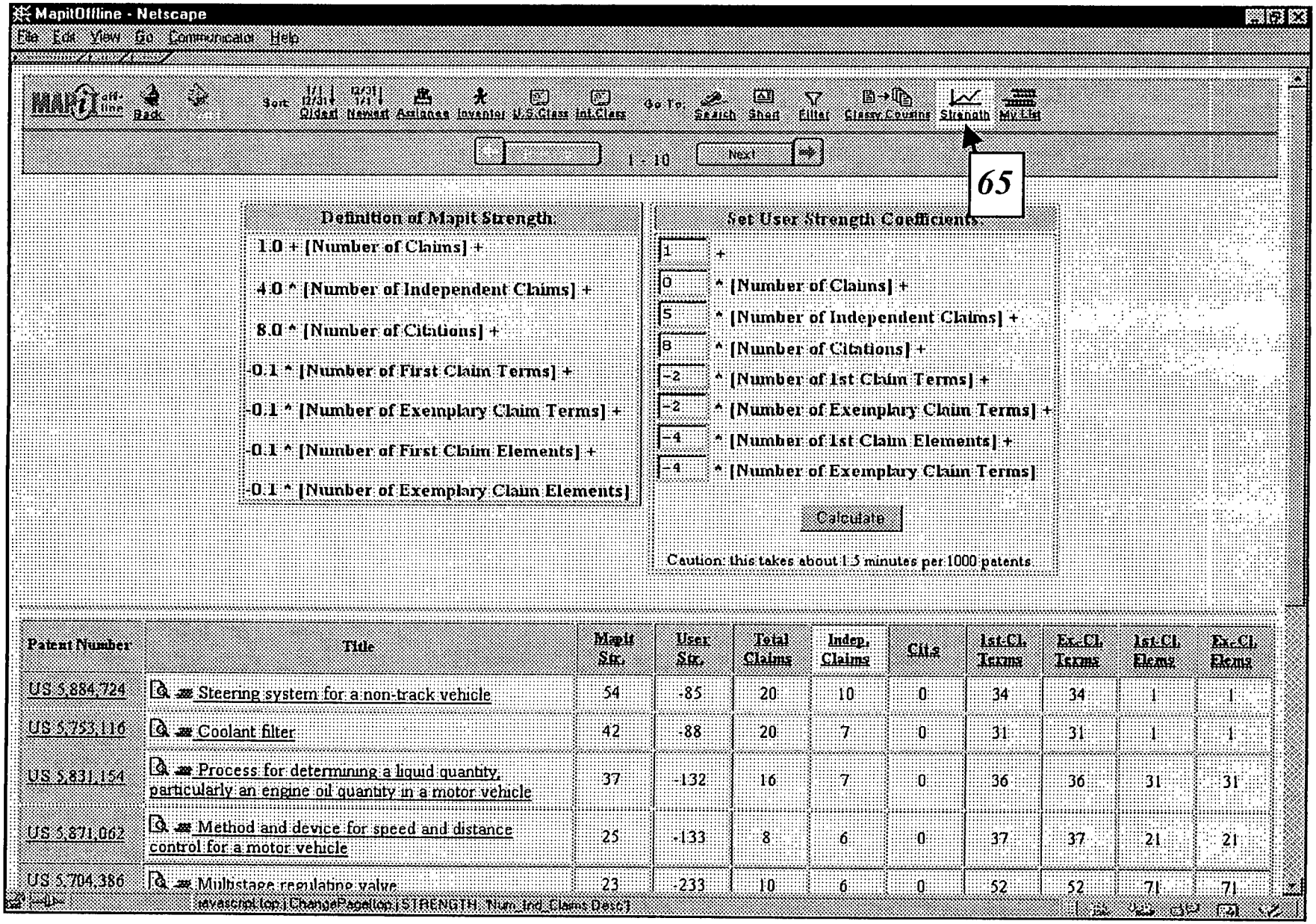
Caution: this takes about 1.5 minutes per 1000 patents
Patent Number
Title
Mapit Str.
User Str.
Total Claims
Indep. Claims
Cits
1st Cl. Terms
Ex. Cl. Terms
1st Cl. Elems
Ex. Cl. Elems
US 5,826,945
Bench seat system for motor vehicles especially for small vans
65
-161
50
6
0
48
48
1
1
US 5,813,230
Brake linkage and master brake cylinder
47
-80
39
3
0
24
24
1
1
US 5,829,309
Motor vehicle with automatic change-speed gearbox and mechanical for reverse gear
29
-258
38
1
0
66
66
1
1
US 5,103,928
Drive slip controlling method
64
-178
37
1
4
42
42
61
61
Process and a device for the
javascript:ChangePage(lop,'STRENGTH','Num_Of_Claims Desc')

Figure 22


MapitOffline - Netscape
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Newest
Assignee
Inventor
U.S.Class
Int.Class
Go To:
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My List
1 - 10
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65
Definition of Mapit Strength
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4.0 * [Number of Independent Claims] +
8.0 * [Number of Citations] +
-0.1 * [Number of First Claim Terms] +
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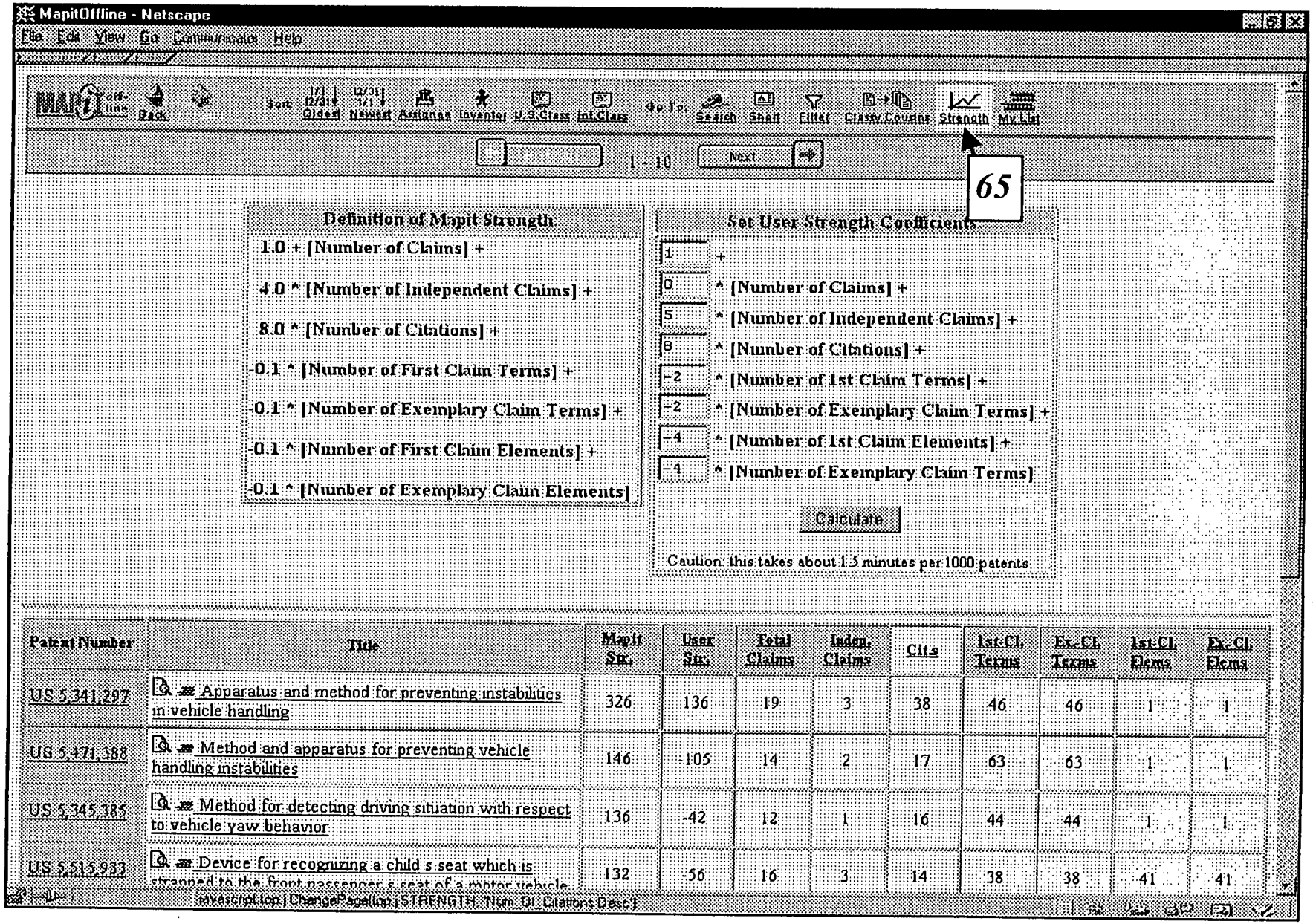
-4 * [Number of 1st Claim Elements] +
-4 * [Number of Exemplary Claim Terms]
Calculate
Caution: this takes about 1.5 minutes per 1000 patents
Patent Number
Title
Mapit Str.
User Str.
Total Claims
Indep. Claims
Cits
1st Cl. Terms
Ex. Cl. Terms
1st Cl. Elems
Ex. Cl. Elems
US 5,884,724
Steering system for a non-track vehicle
54
-85
20
10
0
34
34
1
1
US 5,753,116
Coolant filter
42
-88
20
7
0
31
31
1
1
US 5,831,154
Process for determining a liquid quantity, particularly an engine oil quantity in a motor vehicle
37
-132
16
7
0
36
36
31
31
US 5,871,062
Method and device for speed and distance control for a motor vehicle
25
-133
8
6
0
37
37
21
21
US 5,704,386
Multistage regulating valve
23
-233
10
6
0
52
52
71
71

Figure 23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Definition of Mapit Strength
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-4 * [Number of 1st Claim Elements] +
-4 * [Number of Exemplary Claim Terms]
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Caution: this takes about 1.5 minutes per 1000 patents
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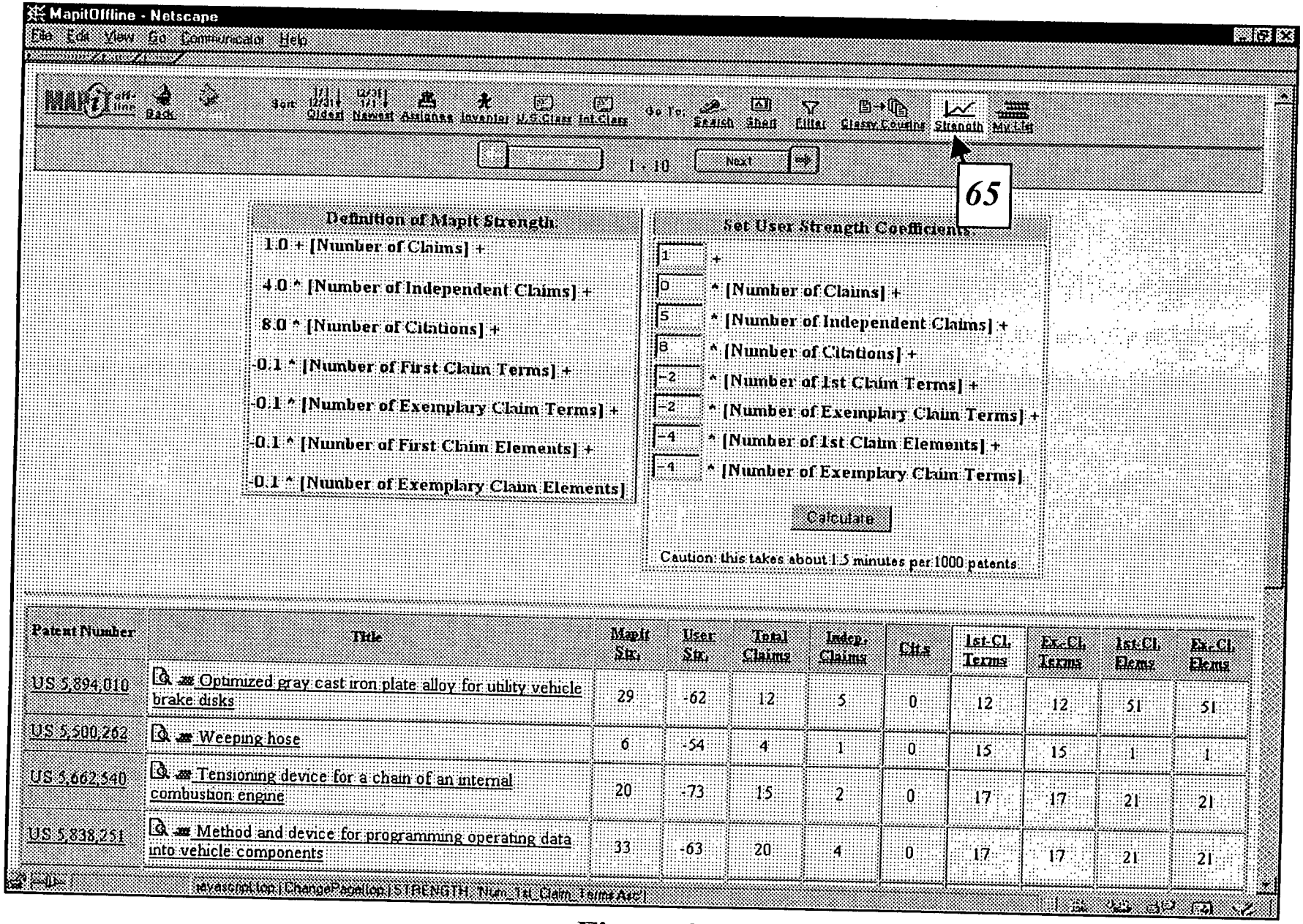
Title
Mapit Str.
User Str.
Total Claims
Indep. Claims
Cits
1st-Cl. Terms
Ex.-Cl. Terms
1st-Cl. Elems
Ex.-Cl. Elems
US 5,341,297
Apparatus and method for preventing instabilities in vehicle handling
326 136 19 3 38 46 46 1 1
US 5,471,388
Method and apparatus for preventing vehicle handling instabilities
146 -105 14 2 17 63 63 1 1
US 5,345,385
Method for detecting driving situation with respect to vehicle yaw behavior
136 -42 12 1 16 44 44 1 1
US 5,515,933
Device for recognizing a child s seat which is
132 -56 16 3 14 38 38 41 41
...vascript:ChangeSection('STRENGTH Num_Of_Citations Desc')

Figure 24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12/31 1/1 Newest
Assignee
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U.S.Class
Int.Class
Go To:
Search
Sheet
Filter
Classy Cousins
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1 - 10
Next
65
Definition of MapIt Strength:
1.0 * [Number of Claims] +
4.0 * [Number of Independent Claims] +
8.0 * [Number of Citations] +
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-0.1 * [Number of First Claim Elements] +
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-2 * [Number of Exemplary Claim Terms] +
-4 * [Number of 1st Claim Elements] +
-4 * [Number of Exemplary Claim Terms]
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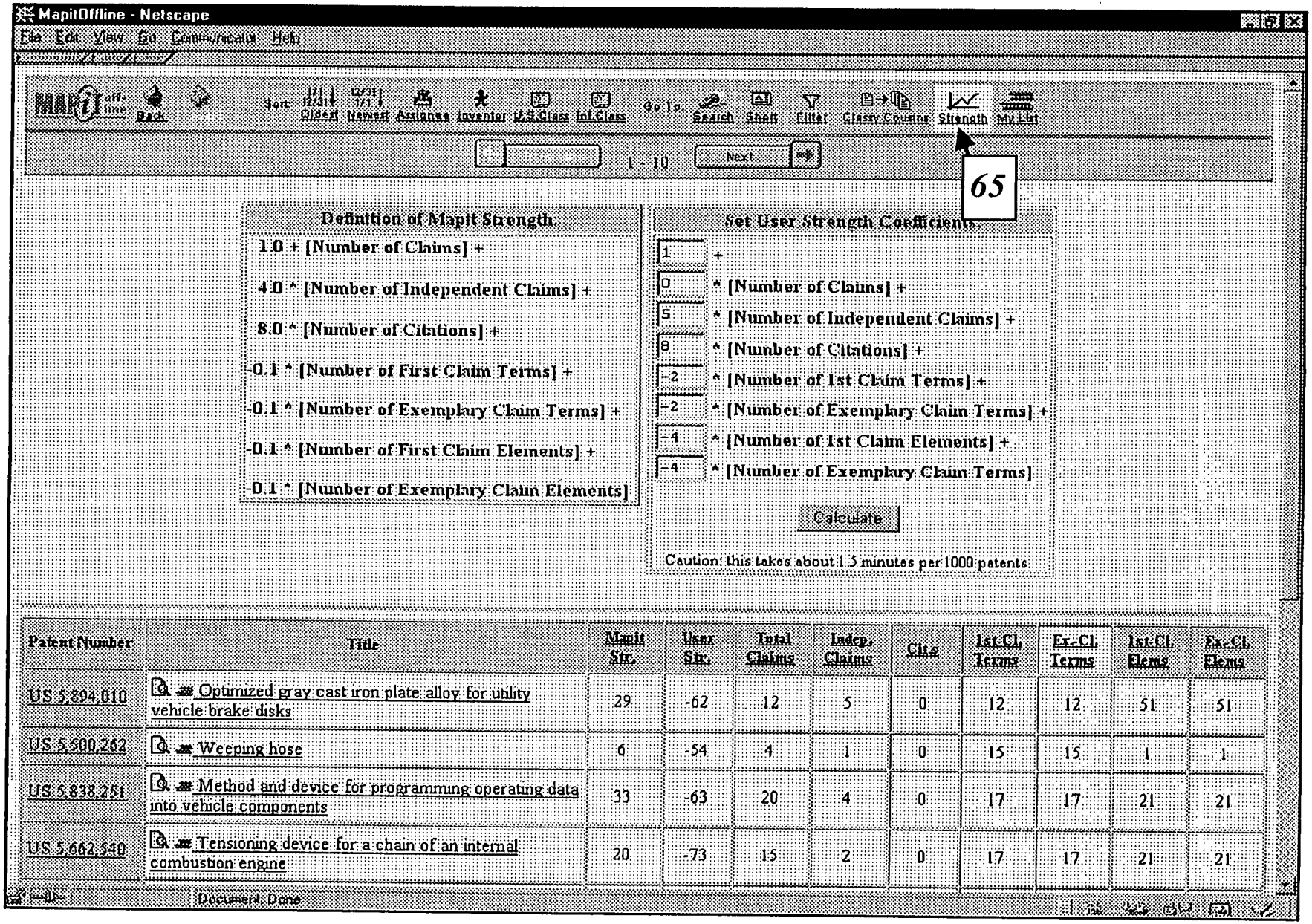
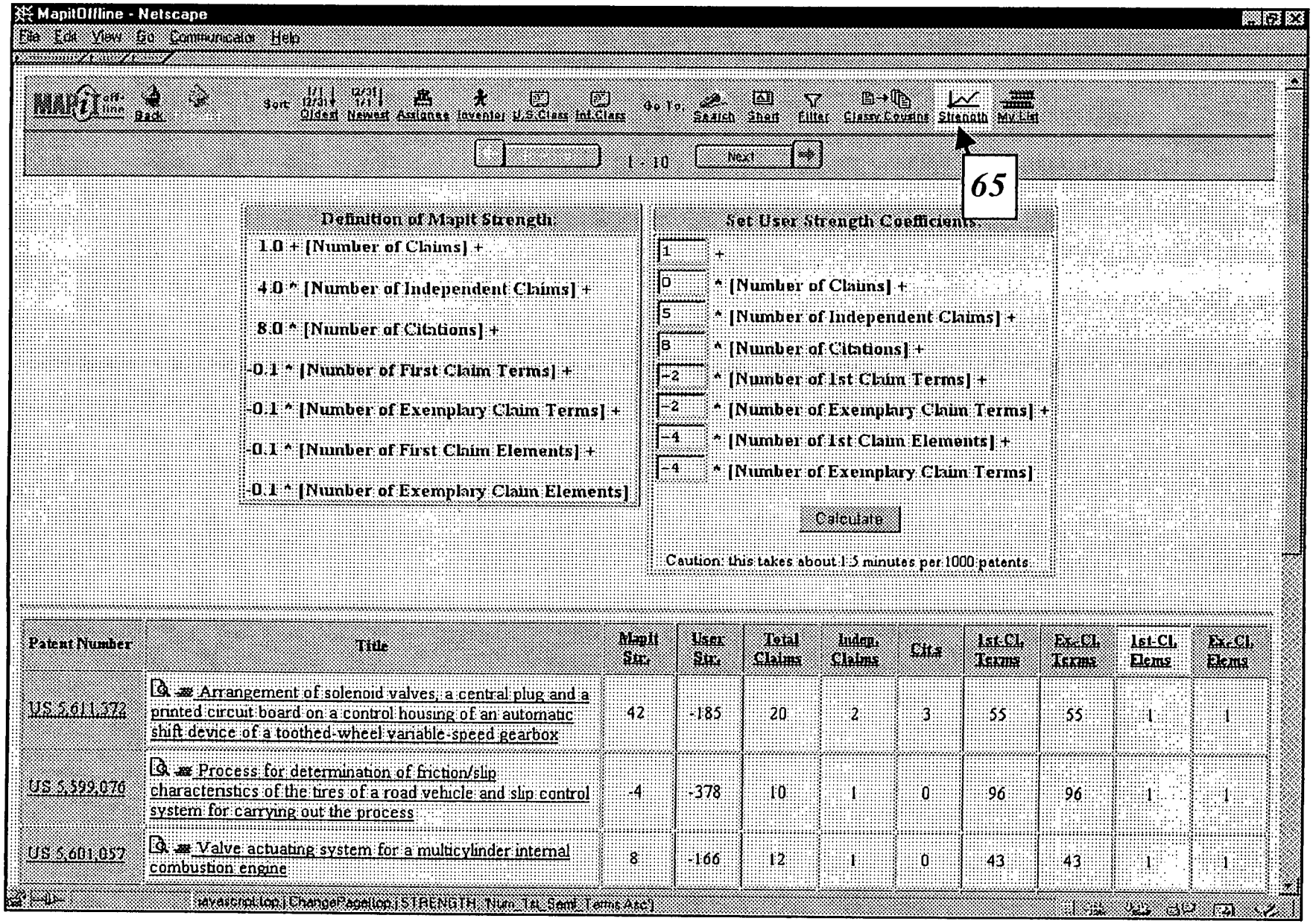
Caution: this takes about 1.5 minutes per 1000 patents
Patent Number
Title
MapIt Str.
User Str.
Total Claims
Indep. Claims
Cits
1st Cl. Terms
Ex. Cl. Terms
1st Cl. Elems
Ex. Cl. Elems
US 5,894,010
Optimized gray cast iron plate alloy for utility vehicle brake disks
29 -62 12 5 0 12 12 51 51
US 5,500,262
Weeping hose
6 -54 4 1 0 15 15 1 1
US 5,662,540
Tensioning device for a chain of an internal combustion engine
20 -73 15 2 0 17 17 21 21
US 5,838,251
Method and device for programming operating data into vehicle components
33 -63 20 4 0 17 17 21 21
evascript:top.ChangePage(top,'STRENGTH','Num_1st_Claim_Terms Asc')

Figure 25



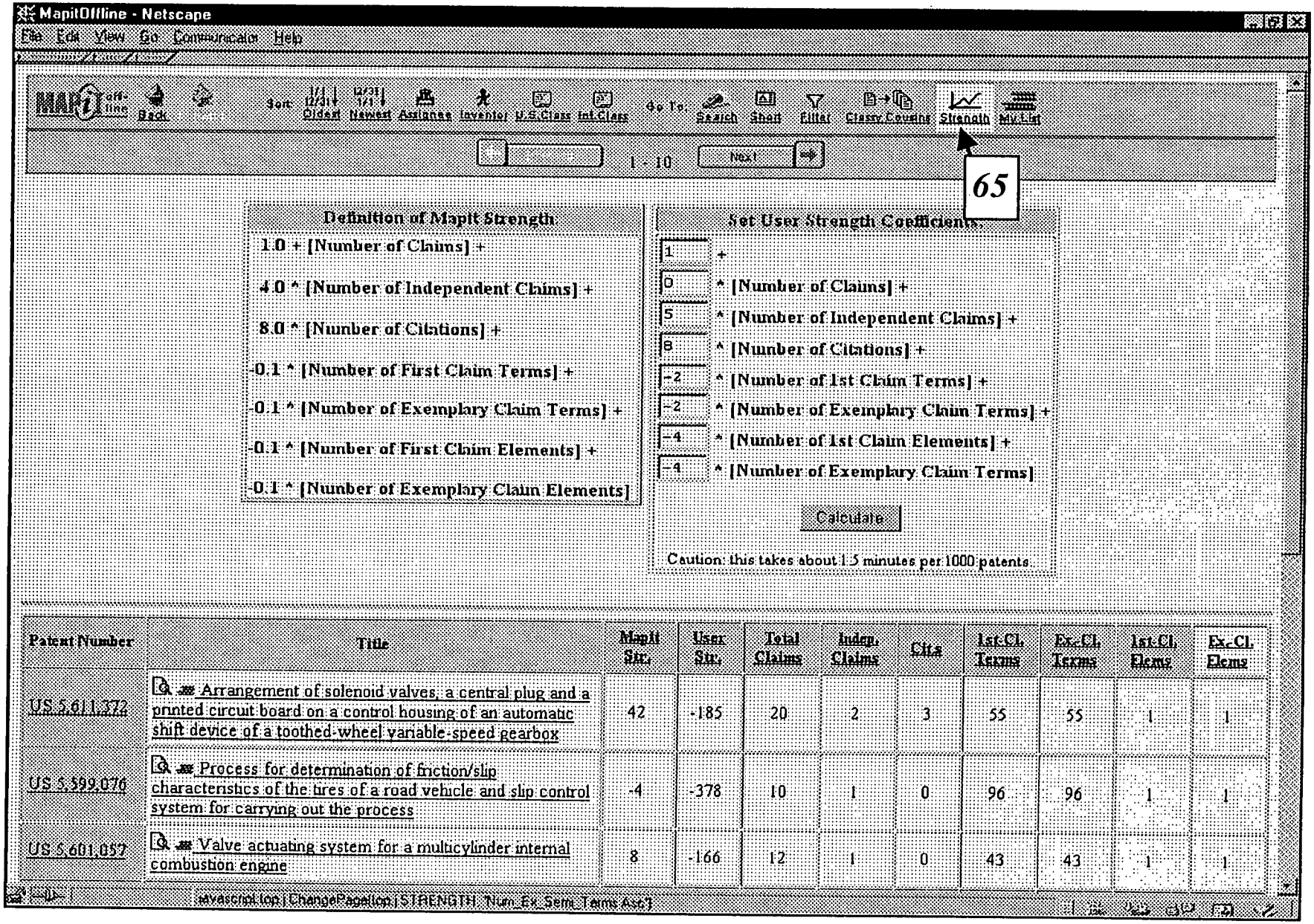
Patent Number	Title	Mapit Str.	User Str.	Total Claims	Indep. Claims	Cits	1st Cl. Terms	Ex. Cl. Terms	1st Cl. Elems	Ex. Cl. Elems
US 5,894,010	Optimized gray cast iron plate alloy for utility vehicle brake disks	29	-62	12	5	0	12	12	51	51
US 5,500,262	Weeping hose	6	-54	4	1	0	15	15	1	1
US 5,838,251	Method and device for programming operating data into vehicle components	33	-63	20	4	0	17	17	21	21
US 5,662,540	Tensioning device for a chain of an internal combustion engine	20	-73	15	2	0	17	17	21	21

Figure 26



Patent Number	Title	Mapit Str.	User Str.	Total Claims	Indep. Claims	Cits	1st Cl. Terms	Ex. Cl. Terms	1st Cl. Elems	Ex. Cl. Elems
US 5,611,372	Arrangement of solenoid valves, a central plug and a printed circuit board on a control housing of an automatic shift device of a toothed-wheel variable-speed gearbox	42	-185	20	2	3	55	55	1	1
US 5,599,076	Process for determination of friction/slip characteristics of the tires of a road vehicle and slip control system for carrying out the process	-4	-378	10	1	0	96	96	1	1
US 5,601,057	Valve actuating system for a multicylinder internal combustion engine	8	-166	12	1	0	43	43	1	1

Figure 27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Next
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Definition of Mapit Strength
1.0 + [Number of Claims] +
4.0 * [Number of Independent Claims] +
8.0 * [Number of Citations] +
-0.1 * [Number of First Claim Terms] +
-0.1 * [Number of Exemplary Claim Terms] +
-0.1 * [Number of First Claim Elements] +
-0.1 * [Number of Exemplary Claim Elements]
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8 * [Number of Citations] +
-2 * [Number of 1st Claim Terms] +
-2 * [Number of Exemplary Claim Terms] +
-4 * [Number of 1st Claim Elements] +
-4 * [Number of Exemplary Claim Terms]
Calculate
Caution: this takes about 1.5 minutes per 1000 patents
Patent Number
Title
Mapit Str.
User Str.
Total Claims
Indep. Claims
Cits
1st Cl. Terms
Ex. Cl. Terms
1st Cl. Elems
Ex. Cl. Elems
US 5,611,372
Arrangement of solenoid valves, a central plug and a printed circuit board on a control housing of an automatic shift device of a toothed-wheel variable-speed gearbox
42 -185 20 2 3 55 55 1 1
US 5,599,076
Process for determination of friction/slip characteristics of the tires of a road vehicle and slip control system for carrying out the process
-4 -378 10 1 0 96 96 1 1
US 5,601,057
Valve actuating system for a multicylinder internal combustion engine
8 -166 12 1 0 43 43 1 1
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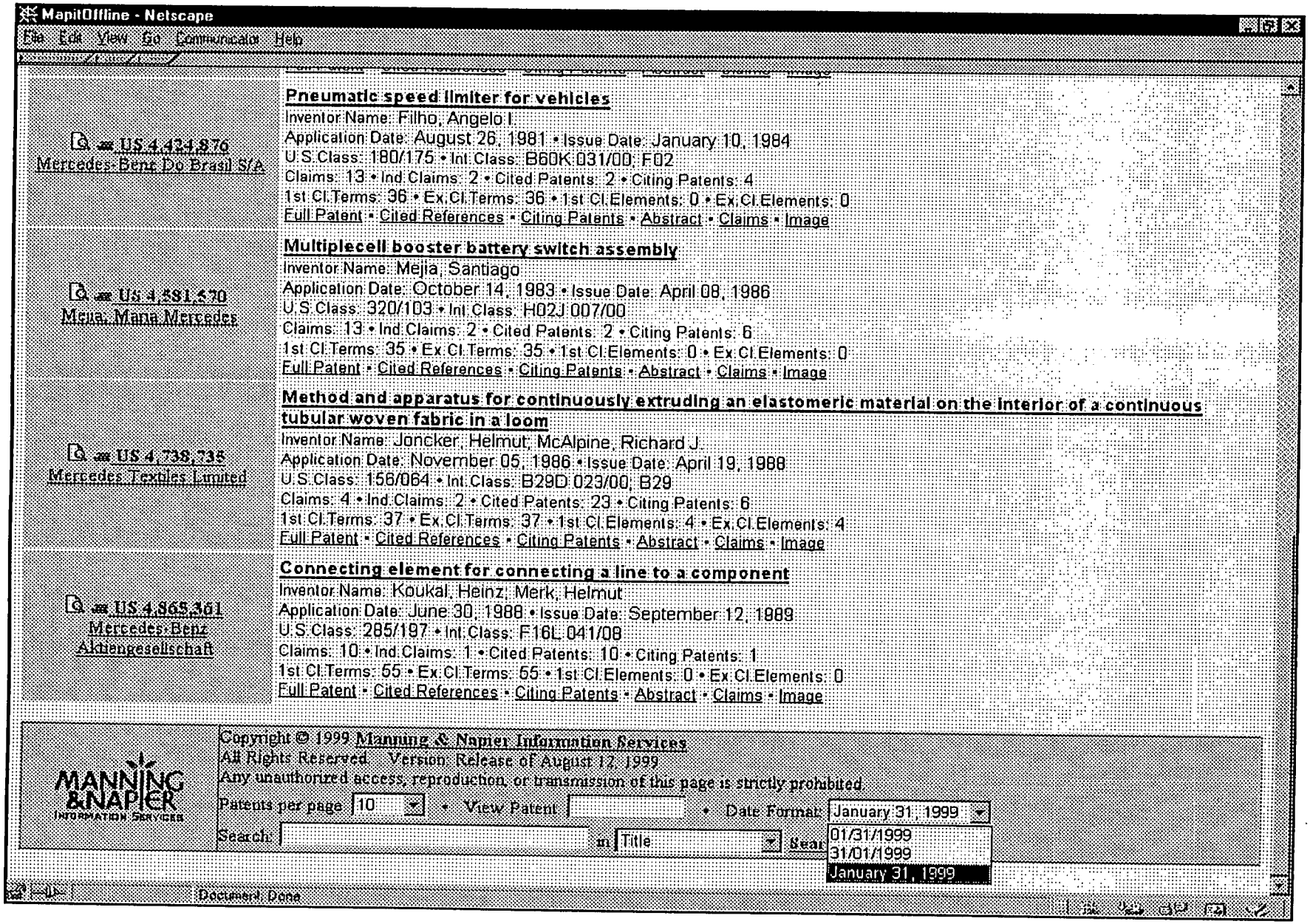
Figure 28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US 4,424,876
Mercedes-Benz Do Brasil S/A
Pneumatic speed limiter for vehicles
Inventor Name: Filho, Angelo I
Application Date: August 26, 1981 • Issue Date: January 10, 1984
U.S.Class: 180/175 • Int.Class: B60K 031/00; F02
Claims: 13 • Ind.Claims: 2 • Cited Patents: 2 • Citing Patents: 4
1st Cl.Terms: 36 • Ex.Cl.Terms: 36 • 1st Cl.Elements: 0 • Ex.Cl.Elements: 0
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image
US 4,581,570
Mejia, Maria Mercedes
Multiplecell booster battery switch assembly
Inventor Name: Mejia, Santiago
Application Date: October 14, 1983 • Issue Date: April 08, 1986
U.S.Class: 320/103 • Int.Class: H02J 007/00
Claims: 13 • Ind.Claims: 2 • Cited Patents: 2 • Citing Patents: 6
1st Cl.Terms: 35 • Ex.Cl.Terms: 35 • 1st Cl.Elements: 0 • Ex.Cl.Elements: 0
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image
US 4,738,735
Mercedes Textiles Limited
Method and apparatus for continuously extruding an elastomeric material on the interior of a continuous tubular woven fabric in a loom
Inventor Name: Joncker, Helmut; McAlpine, Richard J
Application Date: November 05, 1986 • Issue Date: April 19, 1988
U.S.Class: 156/064 • Int.Class: B29D 023/00; B29
Claims: 4 • Ind.Claims: 2 • Cited Patents: 23 • Citing Patents: 6
1st Cl.Terms: 37 • Ex.Cl.Terms: 37 • 1st Cl.Elements: 4 • Ex.Cl.Elements: 4
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image
US 4,865,361
Mercedes-Benz Aktiengesellschaft
Connecting element for connecting a line to a component
Inventor Name: Koukal, Heinz; Merk, Helmut
Application Date: June 30, 1988 • Issue Date: September 12, 1989
U.S.Class: 285/197 • Int.Class: F16L 041/08
Claims: 10 • Ind.Claims: 1 • Cited Patents: 10 • Citing Patents: 1
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Patents per page: 10 • View Patent • Date Format: January 31, 1999
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31/01/1999
January 31, 1999
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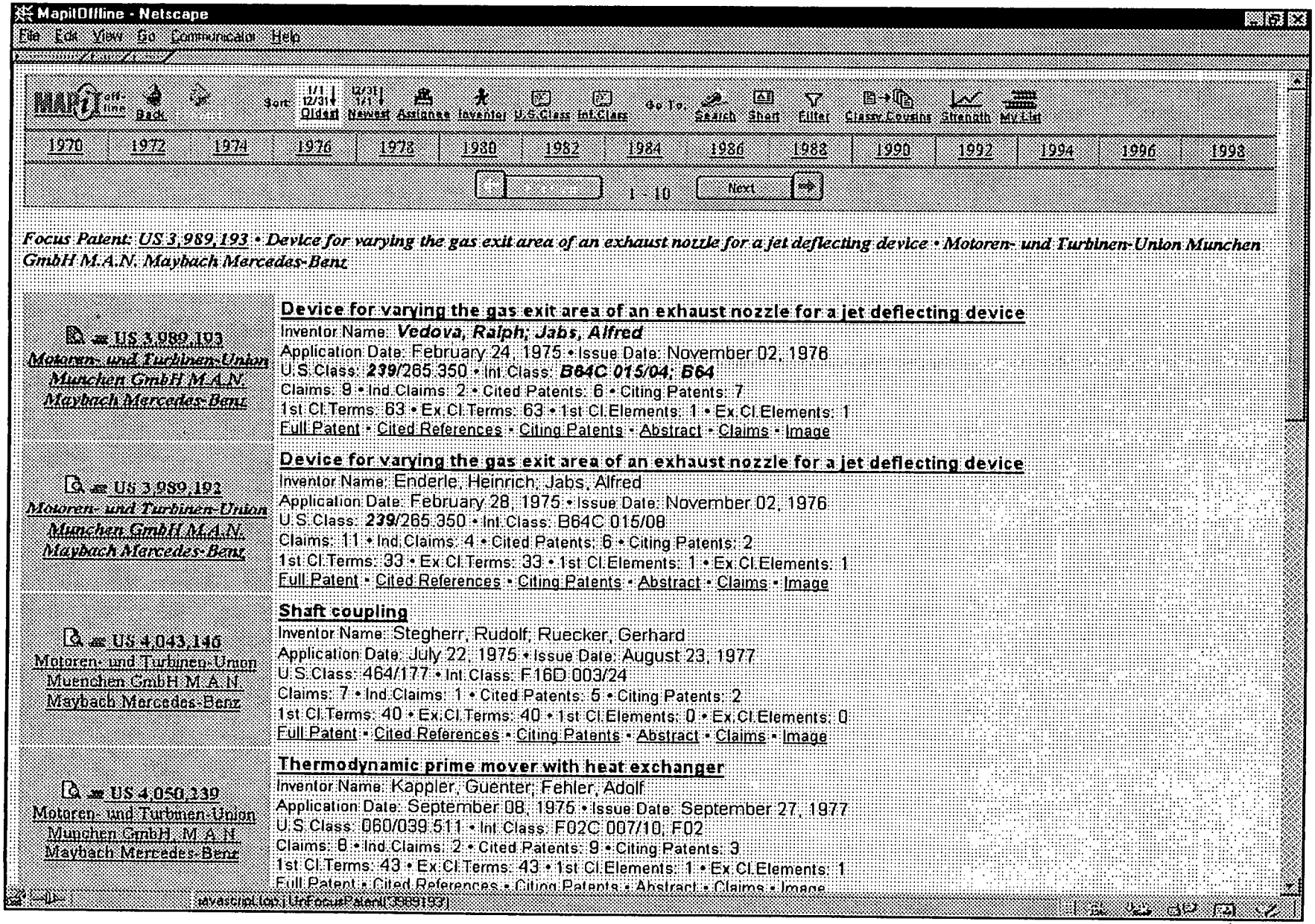
Figure 29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Inventor
U.S.Class
Int.Class
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Classy Cousins
Strength
My List
1970 1972 1974 1976 1978 1980 1982 1984 1986 1988 1990 1992 1994 1996 1998
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Next
Focus Patent: US 3,989,193 • Device for varying the gas exit area of an exhaust nozzle for a jet deflecting device • Motoren- und Turbinen-Union Munchen GmbH M.A.N. Maybach Mercedes-Benz
US 3,989,193
Motoren- und Turbinen-Union Munchen GmbH M.A.N. Maybach Mercedes-Benz
Device for varying the gas exit area of an exhaust nozzle for a jet deflecting device
Inventor Name: Vedova, Ralph; Jabs, Alfred
Application Date: February 24, 1975 • Issue Date: November 02, 1976
U.S.Class: 239/265.350 • Int.Class: B64C 015/04; B64
Claims: 9 • Ind.Claims: 2 • Cited Patents: 6 • Citing Patents: 7
1st Cl.Terms: 63 • Ex.Cl.Terms: 63 • 1st Cl.Elements: 1 • Ex.Cl.Elements: 1
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image
US 3,989,193
Motoren- und Turbinen-Union Munchen GmbH M.A.N. Maybach Mercedes-Benz
Device for varying the gas exit area of an exhaust nozzle for a jet deflecting device
Inventor Name: Enderle, Heinrich; Jabs, Alfred
Application Date: February 28, 1975 • Issue Date: November 02, 1976
U.S.Class: 239/265.350 • Int.Class: B64C 015/08
Claims: 11 • Ind.Claims: 4 • Cited Patents: 6 • Citing Patents: 2
1st Cl.Terms: 33 • Ex.Cl.Terms: 33 • 1st Cl.Elements: 1 • Ex.Cl.Elements: 1
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image
US 4,043,146
Motoren- und Turbinen-Union Muenchen GmbH M.A.N. Maybach Mercedes-Benz
Shaft coupling
Inventor Name: Stegherr, Rudolf; Ruecker, Gerhard
Application Date: July 22, 1975 • Issue Date: August 23, 1977
U.S.Class: 464/177 • Int.Class: F16D 003/24
Claims: 7 • Ind.Claims: 1 • Cited Patents: 5 • Citing Patents: 2
1st Cl.Terms: 40 • Ex.Cl.Terms: 40 • 1st Cl.Elements: 0 • Ex.Cl.Elements: 0
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image
US 4,050,339
Motoren- und Turbinen-Union Munchen GmbH, M.A.N. Maybach Mercedes-Benz
Thermodynamic prime mover with heat exchanger
Inventor Name: Kappler, Guenter; Fehler, Adolf
Application Date: September 08, 1975 • Issue Date: September 27, 1977
U.S.Class: 060/039.511 • Int.Class: F02C 007/10; F02
Claims: 8 • Ind.Claims: 2 • Cited Patents: 9 • Citing Patents: 3
1st Cl.Terms: 43 • Ex.Cl.Terms: 43 • 1st Cl.Elements: 1 • Ex.Cl.Elements: 1
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image
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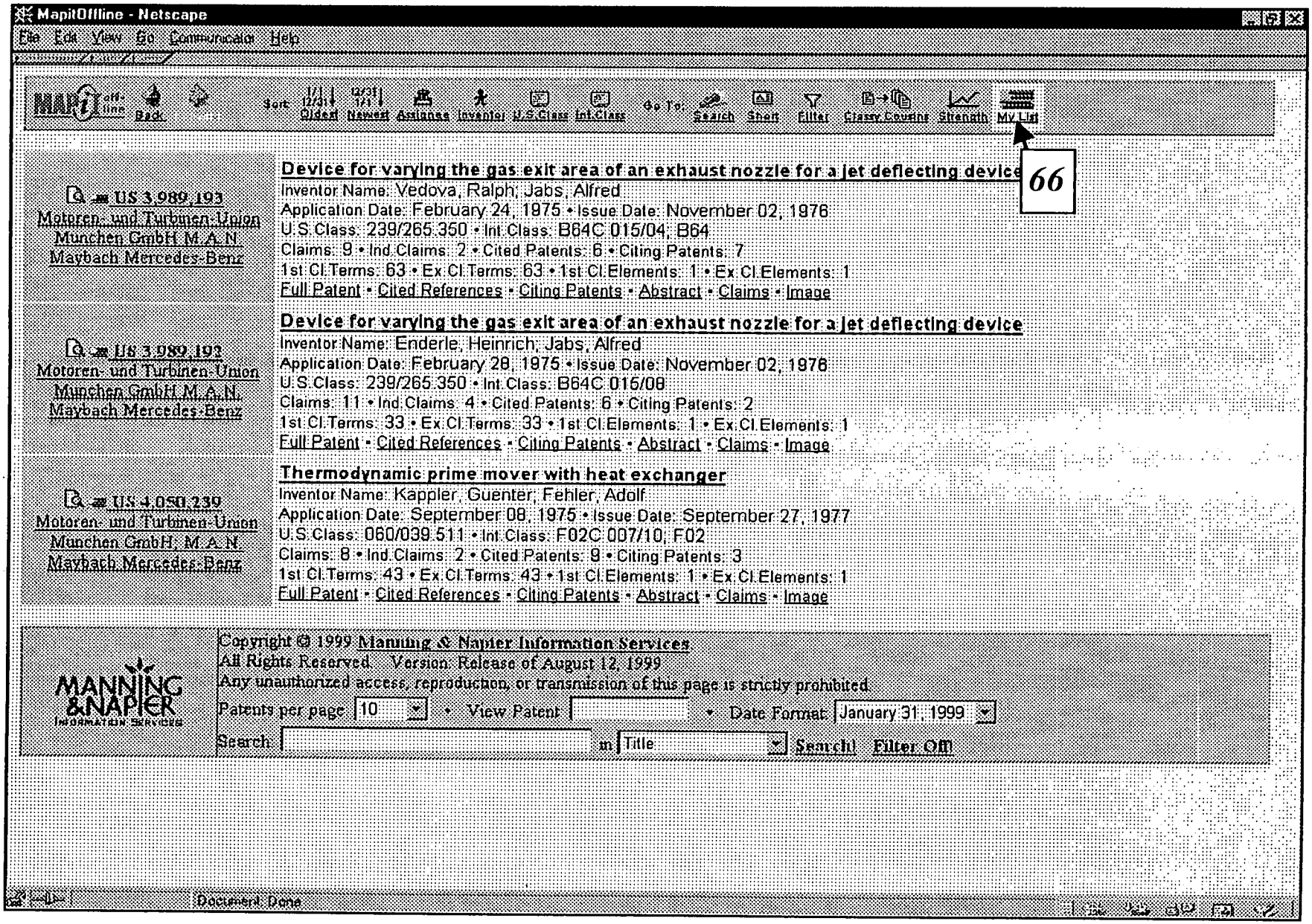
Figure 30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Newest
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Inventor
U.S.Class
Int.Class
Go To:
Search
Sheet
Filter
Classy Counts
Strength
My List
66
US 3,989,193
Motoren- und Turbinen-Union München GmbH, M.A.N. Maybach Mercedes-Benz
Device for varying the gas exit area of an exhaust nozzle for a jet deflecting device
Inventor Name: Vedova, Ralph; Jabs, Alfred
Application Date: February 24, 1975 • Issue Date: November 02, 1976
U.S.Class: 239/265.350 • Int.Class: B64C 015/04; B64
Claims: 9 • Ind.Claims: 2 • Cited Patents: 6 • Citing Patents: 7
1st Cl.Terms: 63 • Ex Cl.Terms: 63 • 1st Cl.Elements: 1 • Ex Cl.Elements: 1
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image
US 3,989,192
Motoren- und Turbinen-Union München GmbH, M.A.N. Maybach Mercedes-Benz
Device for varying the gas exit area of an exhaust nozzle for a jet deflecting device
Inventor Name: Enderle, Heinrich; Jabs, Alfred
Application Date: February 28, 1975 • Issue Date: November 02, 1976
U.S.Class: 239/265.350 • Int.Class: B64C 015/08
Claims: 11 • Ind.Claims: 4 • Cited Patents: 6 • Citing Patents: 2
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Full Patent • Cited References • Citing Patents • Abstract • Claims • Image
US 4,050,239
Motoren- und Turbinen-Union München GmbH, M.A.N. Maybach Mercedes-Benz
Thermodynamic prime mover with heat exchanger
Inventor Name: Kappler, Guenter; Fehler, Adolf
Application Date: September 08, 1975 • Issue Date: September 27, 1977
U.S.Class: 060/039.511 • Int.Class: F02C 007/10; F02
Claims: 8 • Ind.Claims: 2 • Cited Patents: 9 • Citing Patents: 3
1st Cl.Terms: 43 • Ex Cl.Terms: 43 • 1st Cl.Elements: 1 • Ex Cl.Elements: 1
Full Patent • Cited References • Citing Patents • Abstract • Claims • Image
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Patents per page 10 • View Patent • Date Format: January 31, 1999
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Figure 31

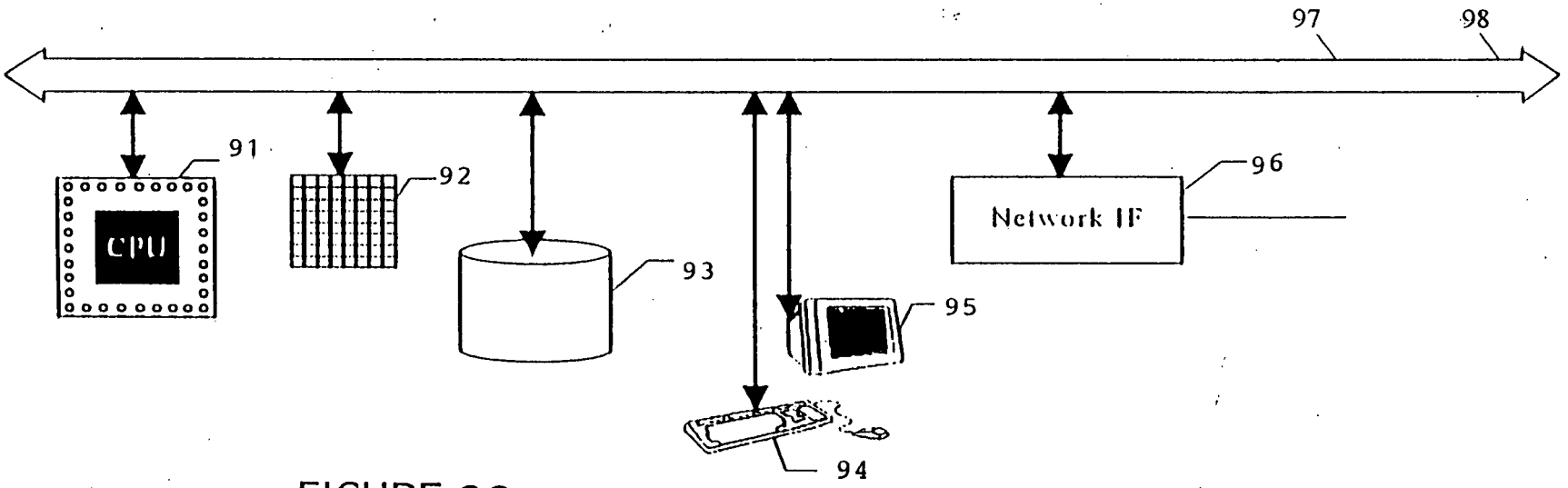

FIGURE 32